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structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:57:03 ON 27 MAY 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:57:08 ON 27 MAY 2003

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STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s pmalwmr/sqsfp

L1 8919 PMALWMR/SQSFP

=> fil .search

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.90	27.11

FILE 'MEDLINE' ENTERED AT 13:57:30 ON 27 MAY 2003

FILE 'CAPLUS' ENTERED AT 13:57:30 ON 27 MAY 2003

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FILE 'USPATFULL' ENTERED AT 13:57:30 ON 27 MAY 2003
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=> s l1
4 FILES SEARCHED...
L2 3354 L1

=> s l2 and (chelate? or ligand?)
L3 624 L2 AND (CHELATE? OR LIGAND?)

=> s l3 and (polymer?)
L4 485 L3 AND (POLYMER?)

=> s l4 and (mri or magnetic(w)resonance? or nuclear(w)magnetic? or nmr)
L5 63 L4 AND (MRI OR MAGNETIC(W) RESONANCE? OR NUCLEAR(W) MAGNETIC?
OR NMR)

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 63 DUP REM L5 (0 DUPLICATES REMOVED)

=> d ibib ab hitstr 1-
YOU HAVE REQUESTED DATA FROM 63 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 63 USPATFULL
ACCESSION NUMBER: 2003:127844 USPATFULL
TITLE: Human olfactory receptors and genes encoding same
INVENTOR(S): Zozulya, Sergey, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003088059	A1	20030508
APPLICATION INFO.:	US 2001-804291	A1	20010313 (9)

PRIORITY INFORMATION:

	NUMBER	DATE
US 2000-188914P	20000313	(60)
US 2000-192033P	20000324	(60)
US 2000-198474P	20000414	(60)
US 2000-199335P	20000424	(60)
US 2000-207702P	20000526	(60)
US 2000-213849P	20000623	(60)
US 2000-226534P	20000816	(60)
US 2000-230732P	20000907	(60)
US 2001-266862P	20010207	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, East Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC, 20005-1918

NUMBER OF CLAIMS: 124
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 22 Drawing Page(s)
LINE COUNT: 12769
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified Olfactory G protein-coupled receptors (ORs), and the genes and cDNA encoding said receptors are described. Specifically, G protein-coupled receptors active in olfactory signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing olfactory perception of a particular odorant

in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined odor perception in a mammal, and methods for stimulating one or more odors. Further, methods for stimulating or blocking odor perception in a mammal are also disclosed.

IT 263475-49-6P 335068-06-9P 362536-55-8P, Olfactory receptor AOLFPR60 (human) 362537-44-8P, Olfactory receptor AOLFPR157 (human) (amino acid sequence; human olfactory receptors and genes encoding same)

RN 263475-49-6 USPATFULL
CN G protein-coupled receptor GCRP-5 (human kidney Incyte clone 998550) (9CI)
(CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 335068-06-9 USPATFULL
CN Olfactory receptor (human HORDE (Human Olfactory Receptor Data

L6 ANSWER 1 OF 63 USPATFULL (Continued)
Exploratorium) entry #38-122 fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 362536-55-8 USPATFULL
CN Olfactory receptor AOLFPR60 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 362537-44-8 USPATFULL
CN Olfactory receptor AOLFPR157 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 2 OF 63 USPATFULL
ACCESSION NUMBER: 2003:113664 USPATFULL
TITLE: 47 human secreted proteins
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonville, MD, UNITED STATES
Endress, Gregory A., Silver Spring, MD, UNITED STATES
Soppet, Daniel R., Centerville, VA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lefleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003078405	A1	20030424
APPLICATION INFO.:	US 2001-895298	A1	20010702 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-591316, filed on 9 Jun 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US29950, filed on 16 Dec 1999, UNKNOWN		

PRIORITY INFORMATION:

	NUMBER	DATE
US 1998-113006P	19981218	(60)
US 1998-112809P	19981217	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 18444
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

IT 277336-49-9P (amino acid sequence; cloning and cDNA and deduced amino acid sequences of 47 human secreted proteins)

RN 277336-49-9 USPATFULL
CN Secretory protein (human clone HPRBP19 190-amino acid precursor) (9CI)
(CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 3 OF 63 USPATFULL
ACCESSION NUMBER: 2003:112894 USPATFULL
TITLE: 20685, 579, 17114, 23821, 33894 and 32613, novel human transporters
INVENTOR(S): Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003077626	A1	20030424
APPLICATION INFO.:	US 2002-199485	A1	20020718 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-795693, filed on 28 Feb 2001, PENDING		

PRIORITY INFORMATION:

	NUMBER	DATE
US 2000-185906P	20000229	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000

NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 79 Drawing Page(s)
LINE COUNT: 8163
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified human transporters. In particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

IT 512863-94-4 (unclaimed protein sequence; protein and cDNA sequences of a human transport protein sequence homologs and therapeutic use)

RN 512863-94-4 USPATFULL
CN 22: PN: US20030077626 SEQID: 22 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 4 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:112858 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of neurogranin
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Nielsen, Anne Ahlmann, Aarhus N, DENMARK

NUMBER	KIND	DATE
US 2003077590	A1	20030424
US 2001-962916	A1	20010924 (9)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Gladys H. Monroy, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018

NUMBER OF CLAIMS: 19

EXEMPLARY CLAIM: 1

LINE COUNT: 2448

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions and methods related to Neurogranin for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

IT 406149-77-7 406149-78-8
 (amino acid sequence; compns. and methods for diagnosis and treatment of lymphoma and leukemia)

RN 406149-77-7 USPATFULL

CN Protein (mouse clone WO 02/24867A2-SEQID202) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 406149-78-8 USPATFULL

CN Protein (human clone WO 02/24867A2-SEQID203) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 5 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:106168 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Pao, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003073079	A1	20030417
US 2001-907575	A1	20010717 (9)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER	DATE
WO 1998-US18824	19980910
WO 1998-US19177	19980914
WO 1998-US19330	19980916
WO 1998-US19437	19980917
WO 1998-US25108	19981201
WO 1999-US20594	19990908
WO 1999-US20944	19990913
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US23089	19991005
WO 1999-US28214	19991129
WO 1999-US28313	19991130
WO 1999-US28301	19991201
WO 1999-US28564	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US30999	19991220

PATENT INFORMATION: US 2003073079 A1 20030417

APPLICATION INFO.: US 2001-907575 A1 20010717 (9)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

L6 ANSWER 5 OF 63 USPATFULL (Continued)

WO 1999-US30911	19991220
WO 2000-US219	20000105
WO 2000-US3565	20000211
WO 2000-US4414	20000222
WO 2000-US5004	20000224
WO 2000-US5841	20000302
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US14042	20000522
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
US 1997-59115P	19970917 (60)
US 1997-59184P	19970917 (60)
US 1997-59122P	19970917 (60)
US 1997-59117P	19970917 (60)
US 1997-59113P	19970917 (60)
US 1997-59121P	19970917 (60)
US 1997-59119P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59266P	19970918 (60)
US 1997-62125P	19971015 (60)
US 1997-62287P	19971017 (60)
US 1997-62285P	19971017 (60)
US 1997-63486P	19971021 (60)
US 1997-62816P	19971024 (60)
US 1997-62814P	19971024 (60)
US 1997-63127P	19971024 (60)
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US 1997-63121P	19971024 (60)
US 1997-63045P	19971024 (60)
US 1997-63128P	19971024 (60)
US 1997-63329P	19971027 (60)
US 1997-63327P	19971027 (60)
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US 1997-63435P	19971029 (60)
US 1997-64215P	19971029 (60)
US 1997-63735P	19971029 (60)
US 1997-63732P	19971029 (60)
US 1997-64103P	19971031 (60)
US 1997-63870P	19971031 (60)
US 1997-64248P	19971101 (60)
US 1997-64809P	19971107 (60)
US 1997-65106P	19971112 (60)
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US 1997-65693P	19971118 (60)
US 1997-66120P	19971121 (60)
US 1997-66364P	19971121 (60)
US 1997-66772P	19971124 (60)
US 1997-66466P	19971124 (60)
US 1997-66770P	19971124 (60)
US 1997-66511P	19971124 (60)

L6 ANSWER 5 OF 63 USPATFULL (Continued)

US 1997-66453P	19971124 (60)
US 1997-66840P	19971125 (60)
US 1997-69425P	19971212 (60)
US 1998-88026P	19980604 (60)
US 1998-99803P	19980910 (60)
US 1998-100262P	19980914 (60)
US 1998-100858P	19980917 (60)
US 1998-104080P	19981013 (60)
US 1998-109304P	19981120 (60)
US 1998-113296P	19981222 (60)
US 1999-143048P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 124 Drawing Page(s)

LINE COUNT: 21761

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 491901-66-7P
 (amino acid sequence; secreted and transmembrane proteins of human and cDNAs encoding them)

RN 491901-66-7 USPATFULL

CN Protein PRO1186 (human clone DNA60621-1516) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 6 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:106166 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 2003073077 A1 20030417
 APPLICATION INFO.: US 2001-905088 A1 20010712 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER DATE
 PRIORITY INFORMATION: WO 1998-US18824 19980910
 WO 1998-US19177 19980914
 WO 1998-US19330 19980916
 WO 1998-US19437 19980917
 WO 1998-US25108 19980901
 WO 1999-US20594 19990908
 WO 1999-US20944 19990913
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 US 1997-59184P 19970917 (60)
 US 1997-59122P 19970917 (60)
 US 1997-59117P 19970917 (60)
 US 1997-59113P 19970917 (60)
 US 1997-59121P 19970917 (60)
 US 1997-59119P 19970917 (60)
 US 1997-59263P 19970918 (60)
 US 1997-59266P 19970918 (60)

L6 ANSWER 6 OF 63 USPATFULL (Continued)
 NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21385
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
 IT 491901-66-7P (amino acid sequence; secreted and transmembrane proteins of human and cDNAs encoding them)
 RN 491901-66-7 USPATFULL
 CN Protein PRO1186 (human clone DNA60621-1516) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 6 OF 63 USPATFULL (Continued)
 US 1997-62112P 19971015 (60)
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 US 1997-62285P 19971017 (60)
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 US 1998-109304P 19981120 (60)
 US 1998-113296P 19981222 (60)
 US 1999-143048P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

L6 ANSWER 7 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:93562 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)
 PATENT ASSIGNEE(S):
 NUMBER KIND DATE
 PATENT INFORMATION: US 2003064923 A1 20030403
 APPLICATION INFO.: US 2001-905348 A1 20010713 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER DATE
 PRIORITY INFORMATION: WO 1998-US18824 19980910
 WO 1998-US19177 19980914
 WO 1998-US19330 19980916
 WO 1998-US19437 19980917
 WO 1998-US25108 19981001
 WO 1999-US20594 19990908
 WO 1999-US20944 19990913
 WO 1999-US21090 19990915
 WO 1999-US21547 19990915
 WO 1999-US23089 19991005
 WO 1999-US28214 19991129
 WO 1999-US28313 19991130
 WO 1999-US28301 19991201
 WO 1999-US28564 19991202
 WO 1999-US28565 19991202
 WO 1999-US30095 19991216
 WO 1999-US30999 19991220
 WO 1999-US30911 19991220
 WO 2000-US219 20000105
 WO 2000-US3565 20000211
 WO 2000-US4414 20000222

L6 ANSWER 7 OF 63 USPATFULL (Continued)

WO 2000-US5004	20000224
WO 2000-US5841	20000302
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US14042	20000522
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
US 1997-59115P	19970917 (60)
US 1997-59184P	19970917 (60)
US 1997-59122P	19970917 (60)
US 1997-59117P	19970917 (60)
US 1997-59113P	19970917 (60)
US 1997-59121P	19970917 (60)
US 1997-59119P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59266P	19970918 (60)
US 1997-62125P	19971015 (60)
US 1997-62287P	19971017 (60)
US 1997-62285P	19971017 (60)
US 1997-63486P	19971021 (60)
US 1997-62816P	19971024 (60)
US 1997-62814P	19971024 (60)
US 1997-63127P	19971024 (60)
US 1997-63120P	19971024 (60)
US 1997-63121P	19971024 (60)
US 1997-63045P	19971024 (60)
US 1997-63128P	19971024 (60)
US 1997-63129P	19971027 (60)
US 1997-63127P	19971027 (60)
US 1997-63549P	19971028 (60)
US 1997-63541P	19971028 (60)
US 1997-63550P	19971028 (60)
US 1997-63542P	19971028 (60)
US 1997-63544P	19971028 (60)
US 1997-63564P	19971028 (60)
US 1997-63714P	19971029 (60)
US 1997-63738P	19971029 (60)
US 1997-63704P	19971029 (60)
US 1997-63435P	19971029 (60)
US 1997-64215P	19971029 (60)
US 1997-63735P	19971029 (60)
US 1997-63732P	19971029 (60)
US 1997-64103P	19971031 (60)
US 1997-63870P	19971031 (60)
US 1997-64248P	19971103 (60)
US 1997-64809P	19971107 (60)
US 1997-65186P	19971112 (60)
US 1997-65846P	19971117 (60)
US 1997-65693P	19971118 (60)
US 1997-66120P	19971121 (60)
US 1997-66364P	19971121 (60)
US 1997-66772P	19971124 (60)
US 1997-66466P	19971124 (60)
US 1997-66770P	19971124 (60)
US 1997-66511P	19971124 (60)

L6 ANSWER 8 OF 63 USPATFULL

ACCESSION NUMBER: 2003-79303 USPATFULL

TITLE: 12 human secreted proteins

INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Kenny, Joseph J., Damascus, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ying-Pei, Berkeley, CA, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Liu, Ding, Gaithersburg, MD, UNITED STATES
Crocker, Paul R., Dundee, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003055231	A1	20030320
APPLICATION INFO.:	US 2001-984130	A1	20011029 (9)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. US 2001-836353, filed on 18 Apr 2001, PENDING Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-243792P	20001030 (60)

-----User Break-----

APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 67 Drawing Page(s)

LINE COUNT: 31982

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

IT 502193-64-8 (unclaimed protein sequence); cloning and cDNA and deduced amino acid sequences of 12 human secreted proteins)

RN 502193-64-8 USPATFULL

CN 100: PN: US20030055231 SEQID: 99 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 7 OF 63 USPATFULL (Continued)

US 1997-66453P	19971124 (60)
US 1997-66440P	19971125 (60)
US 1997-69425P	19971212 (60)
US 1998-88026P	19980604 (60)
US 1998-99803P	19980910 (60)
US 1998-100262P	19980914 (60)
US 1998-100858P	19980917 (60)
US 1998-104080P	19981013 (60)
US 1998-109304P	19981120 (60)
US 1998-113296P	19981222 (60)
US 1999-143048P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 124 Drawing Page(s)

LINE COUNT: 21892

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT 491901-66-77 (amino acid sequence; secreted and transmembrane proteins of human and cDNAs encoding them)

RN 491901-66-7 USPATFULL

CN Protein PRO1186 (human clone DNA60621-1516) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 9 OF 63 USPATFULL

ACCESSION NUMBER: 2003-78538 USPATFULL

TITLE: TIR taste receptors and genes encoding same

INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
Li, Xiaodong, San Diego, CA, UNITED STATES
Staszewski, Lena, San Diego, CA, UNITED STATES
O'Connell, Shawn, Encinitas, CA, UNITED STATES
Zozulya, Sergey, San Diego, CA, UNITED STATES
Senomyx, Inc., La Jolla, CA (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054448	A1	20030320
APPLICATION INFO.:	US 2002-35045	A1	20020103 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-259227P	20010103 (60)
	US 2001-284547P	20010419 (60)

DOCUMENT TYPE: Utility

LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 234

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 5 Drawing Page(s)

LINE COUNT: 4429

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described. Specifically, TIR G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular taste stimulus in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for stimulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

IT 360584-85-6P, Taste receptor TIR3 (human) 360584-89-0P, Taste receptor TIR3 (rat fragment) 360584-91-4P, Taste receptor TIR3 (rat)

(amino acid sequence; genes and cDNAs encoding TIR taste receptors and uses thereof)

RN 360584-85-6 USPATFULL

CN Taste receptor TIR3 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-89-0 USPATFULL

CN Taste receptor TIR3 (rat fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-91-4 USPATFULL

CN Taste receptor TIR3 (rat) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 10 OF 63 USPATFULL
 ACCESSION NUMBER: 2001:72169 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogel, Gabriel, Seattle, WA, UNITED STATES
 Wood, Linda S., Portage, MI, UNITED STATES
 Lind, Peter, Uppsala, SWEDEN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050456	A1	20030313
APPLICATION INFO.:	US 2001-791279	A1	20010223 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-184715P	20000224 (60)
	US 2000-184725P	20000224 (60)
	US 2000-184712P	20000224 (60)
	US 2000-184606P	20000224 (60)
	US 2000-184602P	20000224 (60)
	US 2000-184604P	20000224 (60)
	US 2000-184822P	20000224 (60)
	US 2000-184710P	20000224 (60)
	US 2000-184689P	20000224 (60)
	US 2000-184690P	20000224 (60)
	US 2000-184716P	20000224 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP,
 ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE,
 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 81
 EXEMPLARY CLAIM: 1
 LINE COUNT: 10474

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-X; constructs and recombinant host cells incorporating the genes; the nGPCR-X polypeptides encoded by the gene; antibodies to the nGPCR-X polypeptides; and methods of making and using all of the foregoing.

IT 357688-32-5
 (nucleotide sequence; human G protein-coupled receptors and their cDNA sequences and tissue expression profiles)

RN 357688-32-5 USPATFULL

CN G protein-coupled receptor (human clone nGPCR-2033 fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 11 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:71439 USPATFULL
 TITLE: 52906, 33408, and 12189, novel potassium channel family
 INVENTOR(S): members and uses thereof
 Curtis, Rory A.J., Southborough, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003049724	A1	20030313
APPLICATION INFO.:	US 2001-875331	A1	20010606 (9)

-----User Break-----

peptides and anti-52906, 33408, or 12189 antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

IT 380990-52-3P
 (amino acid sequence; protein and cDNA sequences of novel human potassium channel sequence homologs and uses thereof)

RN 380990-52-3 USPATFULL

CN Protein (human clone 52906 potassium channel sequence homolog) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 12 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:64682 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of JAK1
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Martin, Javier Hernandez, Aarhus N, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044803	A1	20030306
APPLICATION INFO.:	US 2001-962854	A1	20010924 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING		

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Robin M. Silva, Esq., PLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2659

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions and methods related to JAK1 for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

IT 500920-98-9 500920-99-0
 (amino acid sequence; methods for diagnosis and treatment of diseases assocd. with altered expression of JAK1)

RN 500920-98-9 USPATFULL

CN Kinase (phosphorylating), JAK1 protein (mouse) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 500920-99-0 USPATFULL
 CN Kinase (phosphorylating), JAK1 protein (mouse) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 13 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:64675 USPATFULL
 TITLE: Reactions on dendrimers
 INVENTOR(S): Neri, Bruce P., Madison, WI, UNITED STATES
 Hall, Jeff G., Madison, WI, UNITED STATES
 Lyamichev, Victor, Madison, WI, UNITED STATES
 Smith, Lloyd M., Madison, WI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044796	A1	20030306
APPLICATION INFO.:	US 2001-940244	A1	20010827 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-732622, filed on 8 Dec 2000, PENDING Continuation-in-part of Ser.		

No.
 US 1999-350309, filed on 9 Jul 1999, GRANTED, Pat. No. US 6348314 Division of Ser. No. US 1996-756386, filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557 Division of Ser. No. US 2000-381212, filed on 8 Feb 2000, PENDING A 371 of International Ser. No. WO

1998-US5809,
 filed on 24 Mar 1998, UNKNOWN
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: David A. Cesimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94104

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 210 Drawing Page(s)
 LINE COUNT: 15736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on dendrimers and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

IT 501039-65-2
 (unclaimed sequence; invader hybridization and cleavage assay using probes immobilized on dendrimer particles)

RN 501039-65-2 USPATFULL

CN 60: PN: US20030044796 FIGURE: 59A unclaimed sequence (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 14 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:57419 USPATFULL
 TITLE: Compositions and methods relating to prostate specific genes and proteins
 INVENTOR(S): Sun, Yongming, San Jose, CA, UNITED STATES
 Recipon, Herve E., San Francisco, CA, UNITED STATES
 Chen, Sei-Yu, Foster City, CA, UNITED STATES
 Liu, Chenghua, San Jose, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003039983	A1	20030227
US 2001-256	A1	20011101 (10)

NUMBER	DATE
US 2000-244782P	20001101 (60)

PATENT INFORMATION: US 2003039983 A1 20030227
 APPLICATION INFO.: US 2001-256 A1 20011101 (10)
 PRIORITY INFORMATION: US 2000-244782P 20001101 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: LICATIA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053

NUMBER OF CLAIMS: 17
 EXEMPLARY CLAIM: 1
 LINE COUNT: 9307
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified nucleic acids and polypeptides present in normal and neoplastic prostate cells, including fragments, variants and derivatives of the nucleic acids and polypeptides. The present invention also relates to antibodies to the polypeptides of the invention, as well as agonists and antagonists of the polypeptides of the invention. The invention also relates to compositions comprising the nucleic acids, polypeptides, antibodies, variants, derivatives, agonists and antagonists of the invention and methods for the use of these compositions. These uses include identifying, diagnosing, monitoring, staging, imaging and treating prostate cancer and non-cancerous disease states in prostate tissue, identifying prostate tissue, monitoring and identifying and/or

agonists and antagonists of polypeptides of the invention. The uses also include gene therapy, production of transgenic animals and cells, and production of engineered prostate tissue for treatment and research.

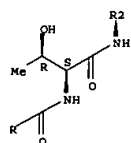
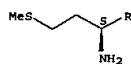
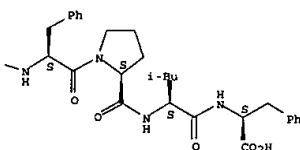
IT 432029-97-SP (amino acid sequence; protein and cDNA sequences of novel human prostate-specific genes and proteins and their use for cancer diagnosis, drug screening, and vaccines)
 RN 432029-97-5 USPATFULL
 CN L-Phenylalanine,
 L-methionyl-L-threonyl-L-lysyl-L-tyrosyl-L-seryl-L-prolyl-L-leucyl-L-prolyl-L-leucyl-L-phenylalanyl-L-leucyl-L-histidyl-L-phenylalanyl-L-isoleucyl-L-leucyl-L-threonyl-L-threonyl-L-isoleucyl-L-

phenylalanyl-L-phenylalanyl-L-leucyl-L-alanyl-L-prolyl-L-phenylalanyl-L-prolyl-L-leucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 14 OF 63 USPATFULL (Continued)

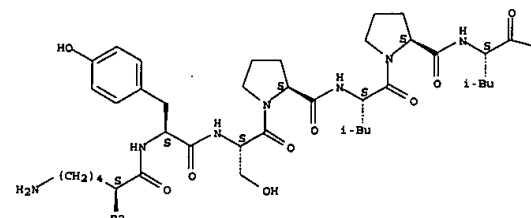
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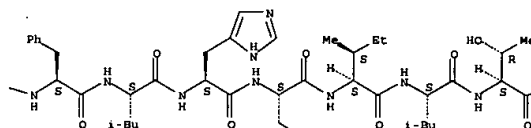
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L6 ANSWER 14 OF 63 USPATFULL (Continued)

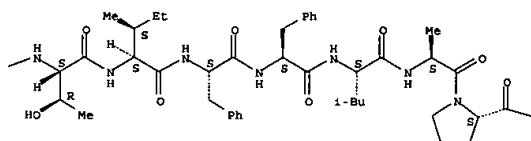
PAGE 1-A



PAGE 1-B



PAGE 1-C



L6 ANSWER 15 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:51132 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Wei, Ming-Hui, Germantown, MD, UNITED STATES
 Zhong, Wenyan, Gaithersburg, MD, UNITED STATES
 Ketchum, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Darnestown, MD, UNITED STATES
 PATENT ASSIGNEE(S): APPLERA CORPORATION, Norwalk, CT, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2003036089	A1	20030220
US 2002-261482	A1	20021002 (10)
Continuation of Ser. No. US 2000-684393, filed on 10 Oct 2000, PENDING		

NUMBER	DATE
US 1999-172600P	19991220 (60)

PATENT INFORMATION: US 1999-172600P 19991220 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4#20, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 10 Drawing Page(s)
 LINE COUNT: 3111
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogues of the GPCR peptides and methods of identifying modulators of the GPCR peptides.
 IT 410804-69-2 (amino acid sequence; protein and cDNA sequences of a novel human G-protein coupled receptor sequence homolog and its uses in drug screening)
 RN 410804-69-2 USPATFULL
 CN Protein (human G protein coupled receptor sequence homolog) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 16 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:51117 USPATFULL
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 ention also provides antisense nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecules of the invention, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a sequence of the invention has been introduced or disrupted. The invention still further provides isolated proteins, fusion proteins, antigenic peptides and antibodies. Diagnostic methods utilizing compositions of the invention are also provided.
 IT 497997-95-2
 (unclaimed protein sequence; cloning, sequences and diagnostic, therapeutic and drug screening use of novel human transporters, and human homologs of ATPase, ubiquitin hydrolase, and ubiquitin conjugating enzyme)
 RN 497997-95-2 USPATFULL
 CN 37: PN: US20030036074 SEQID: 22 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 17 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:32038 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2003023992	A1	20030130
US 2001-862540	A1	20010522 (9)

PATENT INFORMATION:
 APPLICATION INFO.:
 NUMBER DATE
 PRIORITY INFORMATION: US 2000-206138P 20000522 (60)
 US 2000-206139P 20000522 (60)
 US 2000-208976P 20000602 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP,
 ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE,
 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 63
 EXEMPLARY CLAIM: 1
 LINE COUNT: 5817
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the genes; the nGPCR-x polypeptides encoded by the genes; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

IT 378803-84-0P
 (amino acid sequence; novel G protein-coupled receptor sequence homologs from human and uses in treatment and diagnosis of mental disorder thereof)
 RN 378803-84-0 USPATFULL
 CN G protein-coupled receptor nGPCR-2651 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 18 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:23114 USPATFULL
 TITLE: Chronic obstructive pulmonary disease-related immunoglobulin derived proteins, compositions, methods and uses
 INVENTOR(S): Torphy, Theodore J., Bryn Mawr, PA, UNITED STATES

NUMBER	KIND	DATE
US 2003017150	A1	20030123
US 2002-99007	A1	20020314 (10)

PATENT INFORMATION:
 APPLICATION INFO.:
 NUMBER DATE
 PRIORITY INFORMATION: US 2001-275652P 20010314 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 101
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 5131
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to at least one novel COPD-related human Ig derived protein or specified portion or variant, including isolated nucleic acids that encode at least one COPD-related Ig derived protein or specified portion or variant, COPD-related Ig derived protein or specified portion or variants, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

IT 460781-23-1, Antigen CD8 receptor (human)
 (amino acid sequence; chronic obstructive pulmonary disease-related Ig derived proteins and compns. for treating COPD-related diseases)
 RN 460781-23-1 USPATFULL
 CN Antigen CD8 receptor (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 19 OF 63 USPATFULL
 ACCESSION NUMBER: 2003:10649 USPATFULL
 TITLE: TIR taste receptors and genes encoding same
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Zozulya, Sergey, San Diego, CA, UNITED STATES
 Li, Xiadong, San Diego, CA, UNITED STATES
 O'Connell, Shawn, Encinitas, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003008344	A1	20030109
US 2001-799629	A1	20010307 (9)

PATENT INFORMATION:
 APPLICATION INFO.:
 NUMBER DATE
 PRIORITY INFORMATION: US 2000-187546P 20000307 (60)
 US 2000-195536P 20000407 (60)
 US 2000-209840P 20000606 (60)
 US 2000-214213P 20000623 (60)
 US 2000-226448P 20000817 (60)
 US 2001-259227P 20010103 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, East Tower, Ninth Floor, 1100 New York Avenue, N.W., Washington, DC, 20005-3918

NUMBER OF CLAIMS: 234
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 4237
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described. Specifically, TIR G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular tastant in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for simulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

IT 360584-85-6P, Taste receptor TIR3 (human) 360584-89-0P, Taste receptor TIR3 (rat fragment) 360584-91-4P, Taste receptor TIR3 (rat)
 (amino acid sequence; genes and cDNAs encoding TIR taste receptors and uses thereof)
 RN 360584-85-6 USPATFULL
 CN Taste receptor TIR3 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-89-0 USPATFULL
 CN Taste receptor TIR3 (rat fragment) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 360584-91-4 USPATFULL

L6 ANSWER 19 OF 63 USPATFULL (Continued)
CN Tests receptor TIR3 (rat) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 20 OF 63 USPATFULL
ACCESSION NUMBER: 2001:89258 USPATFULL
TITLE: Nucleic acid encoding PTH1R receptor
INVENTOR(S): Juppner, Harald, Cambridge, MA, United States
Rubin, David A., Needham, MA, United States
PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6541220	B1	20030401
APPLICATION INFO.:	US 1999-449632		19991130 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110467P	19981130 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Mertz, Preme	
LEGAL REPRESENTATIVE:	Sterne, Kessler, Goldstein & Fox PLLC	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 18 Drawing Page(s)	
LINE COUNT:	2932	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel parathyroid hormone (PTH) and parathyroid hormone related protein (PTHrP) receptors (PTH1R and PTH3R) isolated from zebrafish. The receptors of the present invention share homology with previously identified parathyroid hormone (PTH)/parathyroid related protein (PTHrP) receptors. Isolated nucleic acid molecules are provided encoding the zebrafish PTH1R and PTH3R receptors. PTH1R and PTH3R receptor polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of PTH1R and PTH3R receptor activity and to diagnostic and therapeutic methods.

IT 250711-60-5DP, subfragments claimed 250711-62-7DP,

(amino acid sequence; cloning and characterization of parathyroid hormone/parathyroid hormone-related peptide receptor PTH1R and PTH3R from zebrafish)

RN 250711-60-5 USPATFULL

CN Parathyroid hormone receptor PTH1R (Danio rerio) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 250711-62-7 USPATFULL

CN Humoral hypercalcemic factor PTH3R parathyroid hormone receptors (Danio rerio) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 21 OF 63 USPATFULL
ACCESSION NUMBER: 2001:344628 USPATFULL
TITLE: Compositions and methods for the detection, diagnosis and therapy of hematological malignancies
INVENTOR(S): Gaiger, Alexander, Seattle, WA, UNITED STATES
Algate, Paul A., Issaquah, WA, UNITED STATES
Mannion, Jane, Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002198362	A1	20021226
APPLICATION INFO.:	US 2001-796692	A1	20010301 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-223378P	20000807 (60)
	US 2000-223416P	20000804 (60)
	US 2000-222903P	20000803 (60)
	US 2000-218950P	20000714 (60)
	US 2000-206201P	20000522 (60)
	US 2000-202084P	20000504 (60)
	US 2000-200999P	20000501 (60)
	US 2000-200303P	20000428 (60)
	US 2000-200779P	20000428 (60)
	US 2000-200545P	20000427 (60)
	US 2000-190479P	20000317 (60)
	US 2000-186126P	20000301 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 100

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 5 Drawing Page(s)

LINE COUNT: 19014

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are methods and compositions for the detection, diagnosis, prognosis, and therapy of hematological malignancies, and in particular, human leukemias and lymphomas of the follicular, Hodgkin's and B cell and T cell non-Hodgkin's types. Disclosed are compositions, methods and kits for eliciting immune and T cell responses to specific malignancy-related antigenic polypeptides and antigenic polypeptide fragments thereof in an animal. Also disclosed are compositions and methods for use in the identification of cells and biological samples containing one or more hematological malignancy-related compositions, and methods for the detection and diagnosis of such diseases and affected cell types. Also disclosed are diagnostic and therapeutic kits,

as well as methods for the diagnosis, therapy and/or prevention of a variety of leukemias and lymphomas.

IT 359869-01-9

(amino acid sequence; human nucleic acids and encoded polypeptides differentially expressed in hematol. malignancies and their diagnostic and therapeutic uses)

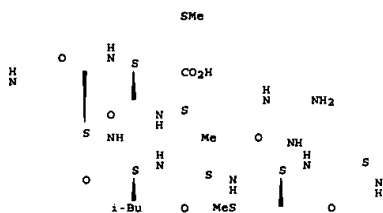
RN 359869-01-5 USPATFULL

CN Protein (human clone 41853.1 gaiger.ABI_2 open reading frame) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 21 OF 63 USPATFULL (Continued)

L6 ANSWER 22 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:343922 USPATFULL
 TITLE: High throughput screening methods using
 magnetic resonance imaging agents
 INVENTOR(S): Silva, Robin M., Burlingame, CA, UNITED STATES
 Meade, Thomas J., Willmette, IL, UNITED STATES
 -----User Break-----
 3M3



L6 ANSWER 23 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:137276 USPATFULL
 TITLE: EG-VEGF nucleic acids and polypeptides and methods of
 use
 INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Watanabe, Colin, Moraga, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Shek, Theresa, San Mateo, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002192634	A1	20021219
US 2001-27603	A1	20011219 (10)
Continuation-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US8439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4914, filed on 24 Feb 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US219, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		
Continuation-in-part of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 380137, PENDING A 371 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		

NUMBER	DATE
US 2000-230978P	20000907 (60)
US 2000-213637P	20000623 (60)
US 1999-145698P	19990726 (60)
US 1998-96146P	19980811 (60)
US 1998-96146P	19980811 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 61
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 59 Drawing Page(s)
 LINE COUNT: 4926
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

IT 478898-08-7

L6 ANSWER 23 OF 63 USPATFULL (Continued)
 (amino acid sequence; endocrine gland-derived vascular endothelial growth factor nucleic acids and polypeptides and their biol. activities and use in drug screening and therapies)
 RN 478898-08-7 USPATFULL
 CN Vascular endothelial growth factor (human clone DNA60621-1516 endocrine gland-derived) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 24 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:301201 USPATFULL
 TITLE: Transacylases of the paclitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne, Pullman, WA, UNITED STATES
 Wildung, Mark R., Colfax, WA, UNITED STATES
 PATENT ASSIGNEE(S): Washington State University Research Foundation (U.S. corporation)

NUMBER	KIND	DATE
US 2002168745	A1	20021114
US 2001-866570	A1	20010525 (9)
Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835		
Continuation-in-part of Ser. No. US 1999-411145, filed on 30 Sep 1999, ABANDONED		
DOCUMENT TYPE: Utility		
FILE SEGMENT: APPLICATION		
LEGAL REPRESENTATIVE: KIARQUIST SPARKMAN CAMPBELL, LEIGH & WHINSTON, LLP, One World Trade Center, Suite 1600, 121 S.W. Salmon Street, Portland, OR, 97204		
NUMBER OF CLAIMS: 34		
EXEMPLARY CLAIM: 1		
NUMBER OF DRAWINGS: 33 Drawing Page(s)		
LINE COUNT: 4463		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB Transacylase enzymes and the use of such enzymes to produce Taxol.TM., related taxoids, as well as intermediates in the Taxol.TM. biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

IT 321777-37-1 (unclaimed protein sequence; Taxus cuspidata transacylase enzymes involved in Taxol (paclitaxel) prodn. and sequences and substrates and recombinant prodn.)
 RN 321777-37-1 USPATFULL
 CN F21J9.8 (Arabidopsis thaliana clone F21J9) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 25 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:295092 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER KIND DATE

 PATENT INFORMATION: US 2002:165137 A1 20021107
 APPLICATION INFO.: US 2001-860670 A1 20010521 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

NUMBER DATE

 PRIORITY INFORMATION: US 2000-20515P 20000519 (60)
 US 2000-179065P 20000111 (60)
 US 2000-180628P 20000204 (60)
 US 2000-225447P 20000814 (60)
 US 2000-218290P 20000714 (60)
 US 2000-216880P 20000707 (60)
 US 2000-214997P 20000925 (60)
 US 2000-229343P 20000901 (60)
 US 2000-216367P 20000929 (60)
 US 2000-219937P 20000103 (60)
 US 2000-249210P 20001117 (60)
 US 2000-249211P 20001117 (60)
 US 2000-249214P 20001117 (60)
 US 2000-231243P 20000908 (60)
 US 2000-246477P 20001108 (60)
 US 2000-246528P 20001108 (60)
 US 2000-246525P 20001108 (60)
 US 2000-246476P 20001108 (60)
 US 2000-246526P 20001108 (60)
 US 2000-249265P 20001117 (60)
 US 2000-230437P 20000906 (60)
 US 2000-251990P 20001208 (60)
 US 2000-251988P 20001205 (60)
 US 2000-251030P 20001205 (60)
 US 2000-251479P 20001206 (60)
 US 2000-256719P 20001205 (60)
 US 2000-250160P 20001201 (60)
 US 2000-251989P 20001208 (60)
 US 2000-250391P 20001201 (60)
 US 2000-254097P 20001211 (60)
 US 2000-179065P 20000131 (60)
 US 2000-180628P 20000204 (60)
 US 2000-214886P 20000628 (60)
 US 2000-217487P 20000711 (60)
 US 2000-225758P 20000814 (60)
 US 2000-220963P 20000726 (60)
 US 2000-217496P 20000711 (60)

L6 ANSWER 26 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:294670 USPATFULL
 TITLE: Human FGP-21 gene and gene expression products
 INVENTOR(S): Itoh, Nobuyuki, Kyoto, JAPAN
 Kavanagh, W. Michael, Mill Valley, CA, UNITED STATES
 PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, UNITED STATES (non-U.S. corporation)

NUMBER KIND DATE

 PATENT INFORMATION: US 2002:164713 A1 20021107
 APPLICATION INFO.: US 2002-60765 A1 20020129 (10)
 RELATED APPLN. INFO.: Division of Ser. No. US 2000-715805, filed on 16 Nov 2000, PENDING

NUMBER DATE

 PRIORITY INFORMATION: US 2000-203633P 20000511 (60)
 US 1999-166540P 19991118 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092

NUMBER OF CLAIMS: 59
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB This invention relates to human fibroblast growth factor (hFGF-21), and to variants thereof and to polynucleotides encoding FGF-21. The invention also relates to diagnostic and therapeutic agents related to the polynucleotides and proteins, including probes and antibodies, and to methods of treating liver disease such as cirrhosis and cancer, methods of treating conditions related to thymic function, and methods of treating conditions of the testis. The invention also relates to mouse fibroblast growth factor (mFGF-21), and to variants thereof and polynucleotides encoding mFGF-21.

IT 288640-33-5
 (amino acid sequence; new member of human fibroblast growth factor family (FGF-21) identified by sequence similarity and gene encoding it and their uses)
 RN 288640-33-5 USPATFULL
 CN Fibroblast growth factor 21 (Mus musculus gene FGF-21 precursor) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 25 OF 63 USPATFULL (Continued)
 US 2000-225447P 20000814 (60)
 US 2000-218290P 20000714 (60)
 US 2000-225757P 20000814 (60)
 US 2000-226868P 20000822 (60)
 US 2000-216647P 20000707 (60)
 US 2000-225267P 20000814 (60)
 US 2000-216880P 20000707 (60)
 US 2000-225270P 20000814 (60)
 US 2000-251869P 20001208 (60)
 US 2000-235834P 20000927 (60)
 US 2000-234274P 20000921 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

IT 474183-77-2P, Protein (human clone HTXGF27)
 (amino acid sequence; cloning and cDNA and deduced amino acid sequences of 69 human proteins and their diagnostic and therapeutic uses)
 RN 474183-77-2 USPATFULL
 CN Protein (human clone HTXGF27) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 27 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:294533 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of Nrf2
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Moving, Helle, Aarhus V, DENMARK

NUMBER KIND DATE

 PATENT INFORMATION: US 2002:164576 A1 20021107
 APPLICATION INFO.: US 2001-962855 A1 20010924 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: ALBRITTON & HERBERT LLP, FLEHR HOHBACH TEST, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 3204

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel sequences for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of novel compositions for use in screening methods.

IT 406149-77-7 406149-78-8
 (amino acid sequence; compns. and methods for diagnosis and treatment of lymphoma and leukemia)
 RN 406149-77-7 USPATFULL
 CN Protein (mouse clone WO 02/24867A2-SEQID202) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE
 RN 406149-78-8 USPATFULL
 CN Protein (human clone WO 02/24867A2-SEQID203) (9C1) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 28 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:266084 USPATFULL
 TITLE: Mammalian glycoprotein hormone-1
 INVENTOR(S): Holloway, James L., Seattle, WA, UNITED STATES
 Webster, Philippa J., Seattle, WA, UNITED STATES
 Thayer, Edward C., Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002160953	A1	20021031
US 2001-943388	A1	20010830 (9)

PATENT INFORMATION: US 2002160953 A1 20021031
 APPLICATION INFO.: US 2001-943388 A1 20010830 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-839706, filed on 20 Apr 2001, PENDING

NUMBER	DATE
US 2000-199498P	20000425 (60)

PRIORITY INFORMATION: US 2000-199498P 20000425 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Paul G. Lunn, Esq., ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102

NUMBER OF CLAIMS: 6
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Mammalian glycoprotein hormone-1 (Zlut1) polypeptides, polynucleotides encoding the polypeptides, antibodies that specifically bind to the polypeptides, expression vectors comprised of the polynucleotides, and host cells transformed with the expression vectors.

IT 474444-50-3 (unclaimed protein sequence; novel human glycoprotein hormone-1 (Zlut1), its polynucleotides and antibodies and use in treating hyperthyroidism)

RN 474444-50-3 USPATFULL
 CN 7: PN: US20020160953 SEQID: 7 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 29 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:287561 USPATFULL
 TITLE: TIR hetero-oligomeric taste receptors
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES
 Xu, Hong, San Diego, CA, UNITED STATES
 Echeverri, Fernando, Chula Vista, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002160424	A1	20021031
US 2001-897427	A1	20010703 (9)

PATENT INFORMATION: US 2002160424 A1 20021031
 APPLICATION INFO.: US 2001-897427 A1 20010703 (9)

NUMBER	DATE
US 2001-280606P	20010330 (60)

PRIORITY INFORMATION: US 2001-280606P 20010330 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 99
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Page(s)
 LINE COUNT: 3201

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors which function as hetero-oligomeric complexes in the sweet taste transduction pathway, and the genes and cDNA encoding acid receptors are described. Specifically, TIR G protein-coupled receptors active in sweet taste signaling as hetero-oligomeric complexes, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for identifying putative taste modulating compounds using such hetero-oligomeric complexes also described, as is a novel surface expression facilitating peptide useful for targeting integral plasma membrane proteins to the surface of a cell.

IT 474439-44-6P: Sweet taste receptor TIR3 (human) (amino acid sequence; nucleic acid and polypeptide sequences for human TIR sweet taste receptors and their uses)

RN 474439-44-6 USPATFULL
 CN Sweet taste receptor TIR3 (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 30 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:259379 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Webster, Marion, San Francisco, CA, UNITED STATES
 Beasley, Ellen M., Darnestown, MD, UNITED STATES
 Ketchum, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142951	A1	20021003
US 2001-818264	A1	20010328 (9)

PATENT INFORMATION: US 2002142951 A1 20021003
 APPLICATION INFO.: US 2001-818264 A1 20010328 (9)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORPORATION, 45 West Gude Dr. C2-4#20, Rockville, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 29 Drawing Page(s)
 LINE COUNT: 3926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogues of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

IT 467261-81-0 (unclaimed protein sequence; protein, gene and cDNA sequences of a novel human G protein-coupled receptor related to secretin receptor and their uses in drug screening)

RN 467261-81-0 USPATFULL
 CN 4: PN: US20020142951 SEQID: 4 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 31 OF 63 USPATFULL
 ACCESSION NUMBER: 2002:258806 USPATFULL
 TITLE: Isolated human transporter proteins, nucleic acid molecules encoding human transporter proteins, and uses thereof
 INVENTOR(S): Merkulov, Gennady, Baltimore, MD, UNITED STATES
 Guegler, Karl, Menlo Park, CA, UNITED STATES
 Brandon, Rhonda C., Laytonville, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Darnestown, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142376	A1	20021003
US 2001-768781	A1	20010125 (9)

PATENT INFORMATION: US 2002142376 A1 20021003
 APPLICATION INFO.: US 2001-768781 A1 20010125 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-740034, filed on 20 Dec 2000, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4#20, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 3248

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogues of the transporter peptides, and methods of identifying modulators of the transporter peptides.

IT 465561-98-2P: Transport protein XK (human) (amino acid sequence; protein, gene and cDNA sequences of novel human transport protein XK and their uses in drug screening)

RN 465561-98-2 USPATFULL
 CN Transport protein XK (human) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

IT 465569-21-5 465569-24-8 (unclaimed protein sequence; protein, gene and cDNA sequences of a novel human transport protein related to XK protein and their uses in drug screening)

RN 465569-21-5 USPATFULL
 CN 5: PN: US20020142376 SEQID: 4 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 465569-24-8 USPATFULL
 CN 8: PN: US20020142376 SEQID: 7 unclaimed protein (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L6 ANSWER 32 OF 63 USPATFULL
ACCESSION NUMBER: 2002:252894 USPATFULL
TITLE: Transacylases of the paclitaxel biosynthetic pathway
INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
Walker, Kevin D., Pullman, WA, UNITED STATES
Schoendorf, Anne N.M.N., Pullman, WA, UNITED STATES
Wildung, Mark R., Colfax, WA, UNITED STATES

<C

09/866,512 Page 16

=>

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

827.15

854.26

FILE 'REGISTRY' ENTERED AT 14:00:34 ON 27 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s pmalwmr/sqefp

1 PMALWMR/SQEFPP

40247 SQL=7

L7

1 PMALWMR/SQEFPP

(PMALWMR/SQEFPP AND SQL=7)

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.10

861.36

FILE 'REGISTRY' ENTERED AT 14:01:44 ON 27 MAY 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

DICTIONARY FILE UPDATES: 26 MAY 2003 HIGHEST RN 520505-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 17

1 PMALWMR/SQEFP
40247 SQL=7

L8 1 PMALWMR/SQEFP
(PMALWMR/SQEFP AND SQL=7)

=> d ibib ab

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'AB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> fil .search

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.70

868.06

FILE 'MEDLINE' ENTERED AT 14:02:10 ON 27 MAY 2003

FILE 'CAPLUS' ENTERED AT 14:02:10 ON 27 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE 'BIOSIS' ENTERED AT 14:02:10 ON 27 MAY 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'USPATFULL' ENTERED AT 14:02:10 ON 27 MAY 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 14:02:10 ON 27 MAY 2003

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(FILE 'HOME' ENTERED AT 13:57:03 ON 27 MAY 2003)

FILE 'REGISTRY' ENTERED AT 13:57:08 ON 27 MAY 2003

L1 8919 S PMALWMR/SQSFP

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 13:57:30 ON 27 MAY 2003

L2 3354 S L1

L3 624 S L2 AND (CHELAT? OR LIGAND?)

L4 485 S L3 AND (POLYMER?)

L5 63 S L4 AND (MRI OR MAGNETIC(W) RESONANCE? OR NUCLEAR(W) MAGNETIC?)

L6 63 DUP REM L5 (0 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 14:00:34 ON 27 MAY 2003

L7 1 S PMALWMR/SQEFP

FILE 'REGISTRY' ENTERED AT 14:01:44 ON 27 MAY 2003

L8 1 S L7

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 14:02:10 ON 27 MAY 2003

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09/866,512 Page 19

=> s 18

L9 2 L8

=> s 17

L10 2 L7

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:849477 CAPLUS
DOCUMENT NUMBER: 137:348514
TITLE: High throughput screening methods using magnetic
resonance imaging agents
INVENTOR(S): Meade, Thomas J.
PATENT ASSIGNEE(S): Metaprobe, Inc., USA
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002087632	A1	20021107	WO 2002-US14194	20020502
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002197648	A1	20021226	US 2002-139145	20020502

PRIORITY APPLN. INFO.:
AB The invention relates to a wide variety of different methods and compositions that find use in high throughput screening applications utilizing magnetic resonance imaging (MRI) contrast agents. The invention provides a library of MRI contrast agents comprising a chelate, a paramagnetic metal ion, and a different candidate agent. The candidate agent may be covalently attached to the chelate, or indirectly attached to the chelate via a linker. Suitable candidate agents include peptides, carbohydrates, nucleic acids and lipids. The methods may be applicable for screening for protease-activated MRI contrast agents, for screening of animals pretreated with a drug candidate, for screening of transgenic animals, for imaging gene expression, for imaging disease progression, etc.
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L10 ANSWER 2 OF 2 USPATFULL
ACCESSION NUMBER: 2002:343922 USPATFULL
TITLE: High throughput screening methods using magnetic
resonance imaging agents
INVENTOR(S): Silva, Robin M., Burlingame, CA, UNITED STATES
Meade, Thomas J., Willmetts, IL, UNITED STATES
Bakan, Douglas A., San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002197648	A1	20021226
APPLICATION INFO.:	US 2002-139145	A1	20020502 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-288963P	20010502 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Robin M. Silva, Esq., FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	20 Drawing Page(s)	
LINE COUNT:	2400	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB The invention relates to a wide variety of different methods and compositions that find use in high throughput screening applications utilizing magnetic resonance imaging (MRI) contrast agents.		

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09/866,512 Page 21

=> s l6 not l10

L11 62 L6 NOT L10

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 62 DUP REM L11 (0 DUPLICATES REMOVED)

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 62 ANSWERS - CONTINUE? Y/(N):y

L12 ANSWER 1 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:127844 USPATFULL
 TITLE: Human olfactory receptors and genes encoding same
 INVENTOR(S): Zozulya, Sergey, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
US 2003088059	A1	20030508 ¹
US 2001-804291	A1	20010313 (9)

PATENT INFORMATION:
 APPLICATION INFO.:
 PRIORITY INFORMATION:
 DOCUMENT TYPE:
 FILE SEGMENT:
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
 NUMBER OF DRAWINGS:
 LINE COUNT:
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified Olfactory G protein-coupled receptors (ORs), and the genes and cDNA encoding said receptors are described. Specifically, G protein-coupled receptors active in olfactory signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing olfactory perception of a particular odorant in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined odor perception in a mammal, and methods for simulating one or more odors. Further, methods for stimulating or blocking odor perception in a mammal are also disclosed.

L12 ANSWER 3 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:112894 USPATFULL
 TITLE: 20685, 579, 17114, 23821, 33894 and 32613, novel human transporters
 INVENTOR(S): Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
 Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003077626	A1	20030424
US 2002-199485	A1	20020718 (10)

PATENT INFORMATION:
 APPLICATION INFO.:
 RELATED APPLN. INFO.:
 PRIORITY INFORMATION:
 DOCUMENT TYPE:
 FILE SEGMENT:
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
 NUMBER OF DRAWINGS:
 LINE COUNT:
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified human transporters. In particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

L12 ANSWER 2 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:113664 USPATFULL
 TITLE: 47 human secreted proteins
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Endress, Gregory A., Silver Spring, MD, UNITED STATES
 Soppet, Daniel R., Centerville, VA, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Duan, Roxanne D., Bethesda, MD, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2003078405	A1	20030424
US 2001-895298	A1	20010702 (9)

PATENT INFORMATION:
 APPLICATION INFO.:
 RELATED APPLN. INFO.:
 PRIORITY INFORMATION:
 DOCUMENT TYPE:
 FILE SEGMENT:
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
 LINE COUNT:
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L12 ANSWER 4 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:112858 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of neurogranin
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Nielsen, Anne Ahlmann, Aarhus N, DENMARK

NUMBER	KIND	DATE
US 2003077590	A1	20030424
US 2001-962916	A1	20010924 (9)

PATENT INFORMATION:
 APPLICATION INFO.:
 RELATED APPLN. INFO.:
 DOCUMENT TYPE:
 FILE SEGMENT:
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
 LINE COUNT:
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions and methods related to Neurogranin for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

L12 ANSWER 5 OF 62 USPATFULL
 ACCESSION NUMBER: 3001:106168 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003073079	A1	20030417
US 2001-907575	A1	20010717 (9)

PATENT INFORMATION: US 2003073079
 APPLICATION INFO.: US 2001-907575
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER	DATE
WO 1998-US18824	19980910
WO 1998-US19177	19980914
WO 1998-US19330	19980916
WO 1998-US19437	19980917
WO 1998-US25108	19981201
WO 1999-US20594	19990908
WO 1999-US20944	19990913
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US23089	19991005
WO 1999-US28214	19991129
WO 1999-US28313	19991130
WO 1999-US28301	19991201
WO 1999-US28564	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US30999	19991220

L12 ANSWER 5 OF 62 USPATFULL (Continued)

US 1997-66772P	19971124 (60)
US 1997-66466P	19971124 (60)
US 1997-66770P	19971124 (60)
US 1997-66511P	19971124 (60)
US 1997-66453P	19971124 (60)
US 1997-66840P	19971125 (60)
US 1997-69425P	19971212 (60)
US 1998-88026P	19980604 (60)
US 1998-99803P	19980910 (60)
US 1998-100262P	19980914 (60)
US 1998-100858P	19980917 (60)
US 1998-104080P	19981013 (60)
US 1998-109304P	19981120 (60)
US 1998-113296P	19981222 (60)
US 1999-143048P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21761
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L12 ANSWER 5 OF 62 USPATFULL (Continued)

WO 1999-US30911	19991220
WO 2000-US219	20000105
WO 2000-US3565	20000211
WO 2000-US4414	20000222
WO 2000-US5004	20000224
WO 2000-US5841	20000302
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US14042	20000522
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
US 1997-59115P	19970917 (60)
US 1997-59184P	19970917 (60)
US 1997-59122P	19970917 (60)
US 1997-59117P	19970917 (60)
US 1997-59113P	19970917 (60)
US 1997-59121P	19970917 (60)
US 1997-59119P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59266P	19970918 (60)
US 1997-62125P	19971015 (60)
US 1997-62287P	19971017 (60)
US 1997-62285P	19971017 (60)
US 1997-63486P	19971021 (60)
US 1997-62816P	19971024 (60)
US 1997-62814P	19971024 (60)
US 1997-63127P	19971024 (60)
US 1997-63120P	19971024 (60)
US 1997-63121P	19971024 (60)
US 1997-63045P	19971024 (60)
US 1997-63128P	19971024 (60)
US 1997-63329P	19971027 (60)
US 1997-63227P	19971027 (60)
US 1997-63549P	19971028 (60)
US 1997-63541P	19971028 (60)
US 1997-63550P	19971028 (60)
US 1997-63542P	19971028 (60)
US 1997-63544P	19971028 (60)
US 1997-63564P	19971028 (60)
US 1997-63734P	19971029 (60)
US 1997-63738P	19971029 (60)
US 1997-63704P	19971029 (60)
US 1997-63435P	19971029 (60)
US 1997-64215P	19971029 (60)
US 1997-63735P	19971029 (60)
US 1997-63732P	19971029 (60)
US 1997-64103P	19971031 (60)
US 1997-63870P	19971031 (60)
US 1997-64248P	19971103 (60)
US 1997-64809P	19971107 (60)
US 1997-65186P	19971112 (60)
US 1997-65846P	19971117 (60)
US 1997-65693P	19971118 (60)
US 1997-66120P	19971121 (60)
US 1997-66364P	19971121 (60)

L12 ANSWER 6 OF 62 USPATFULL

ACCESSION NUMBER: 2001:106166 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003073077	A1	20030417
US 2001-905088	A1	20010712 (9)

PATENT INFORMATION: US 2003073077
 APPLICATION INFO.: US 2001-905088
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER	DATE
WO 1998-US18824	19980910
WO 1998-US19177	19980914
WO 1998-US19330	19980916
WO 1998-US19437	19980917
WO 1998-US25108	19980920
WO 1999-US20594	19990908
WO 1999-US20944	19990913
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US23089	19991005
WO 1999-US28214	19991129
WO 1999-US28313	19991130
WO 1999-US28301	19991201
WO 1999-US28564	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US30999	19991220
WO 1999-US30911	19991220
WO 2000-US219	20000105
WO 2000-US3565	20000211
WO 2000-US4414	20000222

L12 ANSWER 6 OF 62 USPATFULL (Continued)

WO 2000-US5004 20000224
 WO 2000-US5841 20000302
 WO 2000-US7377 20000320
 WO 2000-US8439 20000330
 WO 2000-US14042 20000522
 WO 2000-US15264 20000602
 WO 2000-US20710 20000728
 WO 2000-US23328 20000824
 US 1997-59115P 19970917 (60)
 US 1997-59184P 19970917 (60)
 US 1997-59122P 19970917 (60)
 US 1997-59117P 19970917 (60)
 US 1997-59113P 19970917 (60)
 US 1997-59121P 19970917 (60)
 US 1997-59119P 19970917 (60)
 US 1997-59263P 19970918 (60)
 US 1997-59266P 19970918 (60)
 US 1997-62125P 19971015 (60)
 US 1997-62287P 19971017 (60)
 US 1997-62285P 19971017 (60)
 US 1997-63486P 19971021 (60)
 US 1997-62816P 19971024 (60)
 US 1997-62814P 19971024 (60)
 US 1997-63127P 19971024 (60)
 US 1997-63120P 19971024 (60)
 US 1997-63121P 19971024 (60)
 US 1997-63045P 19971024 (60)
 US 1997-63128P 19971024 (60)
 US 1997-63329P 19971027 (60)
 US 1997-63327P 19971027 (60)
 US 1997-63549P 19971028 (60)
 US 1997-63541P 19971028 (60)
 US 1997-63550P 19971028 (60)
 US 1997-63542P 19971028 (60)
 US 1997-63544P 19971028 (60)
 US 1997-63564P 19971028 (60)
 US 1997-63734P 19971029 (60)
 US 1997-63738P 19971029 (60)
 US 1997-63704P 19971029 (60)
 US 1997-63435P 19971029 (60)
 US 1997-64215P 19971029 (60)
 US 1997-63735P 19971029 (60)
 US 1997-63732P 19971029 (60)
 US 1997-64103P 19971031 (60)
 US 1997-63870P 19971031 (60)
 US 1997-64248P 19971103 (60)
 US 1997-64809P 19971107 (60)
 US 1997-65186P 19971112 (60)
 US 1997-65846P 19971117 (60)
 US 1997-65693P 19971118 (60)
 US 1997-66120P 19971121 (60)
 US 1997-66364P 19971121 (60)
 US 1997-66772P 19971124 (60)
 US 1997-66466P 19971124 (60)
 US 1997-66770P 19971124 (60)
 US 1997-66511P 19971124 (60)

L12 ANSWER 6 OF 62 USPATFULL (Continued)

US 1997-66453P 19971124 (60)
 US 1997-66840P 19971125 (60)
 US 1997-69425P 19971212 (60)
 US 1998-88026P 19980604 (60)
 US 1998-99803P 19980910 (60)
 US 1998-100262P 19980914 (60)
 US 1998-100858P 19980917 (60)
 US 1998-104080P 19981013 (60)
 US 1998-109304P 19981120 (60)
 US 1998-113296P 19981222 (60)
 US 1999-143048P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21385

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L12 ANSWER 7 OF 62 USPATFULL

ACCESSION NUMBER:

2001:93562 USPATFULL

TITLE:

Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S):

Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filveroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijewski, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER KIND DATE

PATENT INFORMATION:

US 2003064923 A1 20030403

APPLICATION INFO.:

US 2001-905348 A1 20010713 (9)

RELATED APPL. INFO.:

Continuation of Ser. No. US 2000-665350, filed on 18 Sep 2000, PENDING

NUMBER DATE

PRIORITY INFORMATION:

WO 1998-US18824 19980910
 WO 1998-US19377 19980914
 WO 1998-US19310 19980916
 WO 1998-US19437 19980917
 WO 1998-US25108 19981201
 WO 1999-US20594 19990908
 WO 1999-US20944 19990913
 WO 1999-US21090 19990915
 WO 1999-US21547 19990915
 WO 1999-US23089 19991005
 WO 1999-US28214 19991129
 WO 1999-US28313 19991130
 WO 1999-US28301 19991201
 WO 1999-US28564 19991202
 WO 1999-US28565 19991202
 WO 1999-US30095 19991216
 WO 1999-US30999 19991220
 WO 1999-US30911 19991220
 WO 2000-US0219 20000105
 WO 2000-US3565 20000211
 WO 2000-US4414 20000222

L12 ANSWER 7 OF 62 USPATFULL (Continued)

WO 2000-US5004 20000224
 WO 2000-US5841 20000302
 WO 2000-US7377 20000320
 WO 2000-US8439 20000330
 WO 2000-US14042 20000522
 WO 2000-US15264 20000602
 WO 2000-US20710 20000728
 WO 2000-US23328 20000824
 US 1997-59115P 19970917 (60)
 US 1997-59184P 19970917 (60)
 US 1997-59122P 19970917 (60)
 US 1997-59117P 19970917 (60)
 US 1997-59121P 19970917 (60)
 US 1997-59119P 19970917 (60)
 US 1997-59263P 19970918 (60)
 US 1997-59266P 19970918 (60)
 US 1997-62125P 19971015 (60)
 US 1997-62287P 19971017 (60)
 US 1997-62285P 19971017 (60)
 US 1997-63486P 19971021 (60)
 US 1997-62816P 19971024 (60)
 US 1997-62814P 19971024 (60)
 US 1997-63127P 19971024 (60)
 US 1997-63120P 19971024 (60)
 US 1997-63121P 19971024 (60)
 US 1997-63045P 19971024 (60)
 US 1997-63128P 19971024 (60)
 US 1997-63329P 19971027 (60)
 US 1997-63327P 19971027 (60)
 US 1997-63549P 19971028 (60)
 US 1997-63541P 19971028 (60)
 US 1997-63550P 19971028 (60)
 US 1997-63542P 19971028 (60)
 US 1997-63544P 19971028 (60)
 US 1997-63564P 19971028 (60)
 US 1997-63734P 19971029 (60)
 US 1997-63738P 19971029 (60)
 US 1997-63704P 19971029 (60)
 US 1997-63435P 19971029 (60)
 US 1997-64215P 19971029 (60)
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 US 1997-64809P 19971107 (60)
 US 1997-65186P 19971112 (60)
 US 1997-65846P 19971117 (60)
 US 1997-65693P 19971118 (60)
 US 1997-66120P 19971121 (60)
 US 1997-66364P 19971121 (60)
 US 1997-66772P 19971124 (60)
 US 1997-66466P 19971124 (60)
 US 1997-66770P 19971124 (60)
 US 1997-66511P 19971124 (60)
 US 1997-66453P 19971124 (60)
 US 1997-66840P 19971125 (60)
 US 1997-69425P 19971212 (60)
 US 1998-88026P 19980604 (60)

L12 ANSWER 7 OF 62 USPATFULL (Continued)

US 1998-99803P 19980910 (60)
 US 1998-100262P 19980914 (60)
 US 1998-100858P 19980917 (60)
 US 1998-104080P 19981013 (60)
 US 1998-109304P 19981120 (60)
 US 1998-113296P 19981222 (60)
 US 1999-143048P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBS, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 124 Drawing Page(s)
 LINE COUNT: 21892

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L12 ANSWER 8 OF 62 USPATFULL

ACCESSION NUMBER: 2001:79303 USPATFULL
 TITLE: 12 human secreted proteins
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Kenny, Joseph J., Damascus, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Wei, Ying-Pei, Berkeley, CA, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Liu, Ding, Gaithersburg, MD, UNITED STATES
 Crocker, Paul R., Dundee, UNITED KINGDOM

NUMBER	KIND	DATE
US 2003055221	A1	20030320
US 2001-984130	A1	20011029 (9)

PATENT INFORMATION: US 2003055221 A1 20030320
 APPLICATION INFO.: US 2001-984130 A1 20011029 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-836353, filed on 18 Apr 2001, PENDING Continuation-in-part of Ser. No. WO 1999-052503, filed on 27 Oct 1999, UNKNOWN

NUMBER	DATE
US 2000-243792P	20001030 (60)
US 2000-198407P	20000419 (60)
US 1998-105971P	19981028 (60)

PRIORITY INFORMATION: US 2000-243792P 20001030 (60)
 US 2000-198407P 20000419 (60)
 US 1998-105971P 19981028 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 67 Drawing Page(s)
 LINE COUNT: 31982

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L12 ANSWER 9 OF 62 USPATFULL

ACCESSION NUMBER: 2003:78528 USPATFULL
 TITLE: T1R taste receptors and genes encoding same
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES
 O'Connell, Shawn, Encinitas, CA, UNITED STATES
 Zozulya, Sergey, San Diego, CA, UNITED STATES
 Senomyx, Inc., La Jolla, CA (U.S. corporation)

NUMBER	KIND	DATE
US 2003054448	A1	20030320
US 2002-35045	A1	20020103 (10)

PATENT INFORMATION: US 2003054448 A1 20030320
 APPLICATION INFO.: US 2002-35045 A1 20020103 (10)

NUMBER	DATE
US 2001-259227P	20010103 (60)
US 2001-284547P	20010419 (60)

PRIORITY INFORMATION: US 2001-259227P 20010103 (60)
 US 2001-284547P 20010419 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
 NUMBER OF CLAIMS: 234
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 5 Drawing Page(s)
 LINE COUNT: 4429

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors, and the genes and cDNA encoding said receptors are described. Specifically, T1R G protein-coupled receptors active in taste signaling, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for representing taste perception of a particular taste stimulus in a mammal are also described, as are methods for generating novel molecules or combinations of molecules that elicit a predetermined taste perception in a mammal, and methods for stimulating one or more tastes. Further, methods for stimulating or blocking taste perception in a mammal are also disclosed.

L12 ANSWER 10 OF 62 USPATFULL

ACCESSION NUMBER: 2003:72169 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES
 Wood, Linda S., Portage, MI, UNITED STATES
 Lind, Peter, Uppsala, SWEDEN

NUMBER	KIND	DATE
US 2003050456	A1	20030313
US 2001-791279	A1	20010223 (9)

PATENT INFORMATION: US 2003050456 A1 20030313
 APPLICATION INFO.: US 2001-791279 A1 20010223 (9)

NUMBER	DATE
US 2000-184715P	20000224 (60)
US 2000-184725P	20000224 (60)
US 2000-184712P	20000224 (60)
US 2000-184606P	20000224 (60)
US 2000-184602P	20000224 (60)
US 2000-184604P	20000224 (60)
US 2000-184822P	20000224 (60)
US 2000-184710P	20000224 (60)
US 2000-184689P	20000224 (60)
US 2000-184690P	20000224 (60)
US 2000-184716P	20000224 (60)

PRIORITY INFORMATION: US 2000-184715P 20000224 (60)
 US 2000-184725P 20000224 (60)
 US 2000-184712P 20000224 (60)
 US 2000-184606P 20000224 (60)
 US 2000-184602P 20000224 (60)
 US 2000-184604P 20000224 (60)
 US 2000-184822P 20000224 (60)
 US 2000-184710P 20000224 (60)
 US 2000-184689P 20000224 (60)
 US 2000-184690P 20000224 (60)
 US 2000-184716P 20000224 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103
 NUMBER OF CLAIMS: 81
 EXEMPLARY CLAIM: 1
 LINE COUNT: 10474

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-X, constructs and recombinant host cells incorporating the genes; the nGPCR-X polypeptides encoded by the genes; antibodies to the nGPCR-X polypeptides; and methods of making and using all of the foregoing.

L12 ANSWER 11 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:71439 USPATFULL
 TITLE: 52906, 33408, and 12189, novel potassium channel family members and uses thereof
 INVENTOR(S): Curtis, Rory A.J., Southborough, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003049724	A1	20030313
APPLICATION INFO.:	US 2001-075321	A1	20010606 (9)

PRIORITY INFORMATION: US 2000-209845P 20000606 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: LOUIS MYERS, Fish & Richardson P.C., 225 Franklin Street, Boston, MA, 02110-2804
 NUMBER OF CLAIMS: 31
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 9 Drawing Page(s)
 LINE COUNT: 5703
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated nucleic acids molecules, designated 52906, 33408, or 12189 nucleic acid molecules, which encode novel potassium channel members. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 52906, 33408, or 12189 nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a 52906, 33408, or 12189 gene has been introduced or disrupted. The invention still further provides isolated 52906, 33408, or 12189 proteins, fusion proteins, antigenic peptides and anti-52906, 33408, or 12189 antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

L12 ANSWER 12 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:64682 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of JAK1
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Soerensen, Annette Balle, Aarhus N, DENMARK
 Martin, Javier Hernandez, Aarhus N, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044803	A1	20030306
APPLICATION INFO.:	US 2001-962854	A1	20010924 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING		

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Robin M. Silva, Esq., FLEHR HOHNACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187
 NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2659
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions and methods related to JAK1 for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of such novel compositions for use in screening methods.

L12 ANSWER 13 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:64675 USPATFULL
 TITLE: Reactions on dendrimers
 INVENTOR(S): Neri, Bruce P., Madison, WI, UNITED STATES
 Hall, Jeff G., Madison, WI, UNITED STATES
 Lyamichev, Victor, Madison, WI, UNITED STATES
 Smith, Lloyd M., Madison, WI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044796	A1	20030306
APPLICATION INFO.:	US 2001-940244	A1	20010827 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-732622, filed on 8 Dec 2000, PENDING Continuation-in-part of Ser.		

No. US 1999-350309, filed on 9 Jul 1999, GRANTED, Pat. No. US 6348314 Division of Ser. No. US 1996-756386, filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557 Division of Ser. No. US 2000-381212, filed on 8 Feb 2000, PENDING A 371 of International Ser. No. WO

1998-US5809, filed on 24 Mar 1998, UNKNOWN
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: David A. Casimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94104

NUMBER OF CLAIMS: 38
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 210 Drawing Page(s)
 LINE COUNT: 15736
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on dendrimers and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

L12 ANSWER 14 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:57419 USPATFULL
 TITLE: Compositions and methods relating to prostate specific genes and proteins
 INVENTOR(S): Sun, Yongming, San Jose, CA, UNITED STATES
 Recipon, Herve E., San Francisco, CA, UNITED STATES
 Chen, Sei-Yu, Foster City, CA, UNITED STATES
 Liu, Chenghua, San Jose, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003039983	A1	20030227
APPLICATION INFO.:	US 2001-256	A1	20011101 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244782P	20001101 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	LICATLA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ.	

NUMBER OF CLAIMS: 08053
 EXEMPLARY CLAIM: 17
 LINE COUNT: 9307
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified nucleic acids and polypeptides present in normal and neoplastic prostate cells, including fragments, variants and derivatives of the nucleic acids and polypeptides. The present invention also relates to antibodies to the polypeptides of the invention, as well as agonists and antagonists of the polypeptides of the invention. The invention also relates to compositions comprising the nucleic acids, polypeptides, antibodies, variants, derivatives, agonists and antagonists of the invention and methods for the use of these compositions. These uses include identifying, diagnosing, monitoring, staging, imaging and treating prostate cancer and non-cancerous disease states in prostate tissue, identifying prostate tissue, monitoring and identifying and/or designing agonists and antagonists of polypeptides of the invention. The uses also include gene therapy, production of transgenic animals and cells, and production of engineered prostate tissue for treatment and research.

L12 ANSWER 15 OF 62 USPTATFULL
 ACCESSION NUMBER: 2003:51132 USPTATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Wei, Ming-Hui, Germantown, MD, UNITED STATES
 Zhong, Wenyan, Gaithersburg, MD, UNITED STATES
 Ketchum, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Bessley, Ellen M., Darnestown, MD, UNITED STATES
 PATENT ASSIGNEE(S): APPLERA CORPORATION, Norwalk, CT, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2003036089	A1	20030220
US 2002-261482	A1	20021002 (10)

PATENT INFORMATION: US 2003036089
 APPLICATION INFO.: US 2002-261482
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-684393, filed on 10 Oct 2000, PENDING

NUMBER	DATE
US 1999-172600P	19991220 (60)

PRIORITY INFORMATION: US 1999-172600P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4#20, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 10 Drawing Page(s)
 LINE COUNT: 3111

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides amino acid sequences of peptides that are encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogues of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

L12 ANSWER 16 OF 62 USPTATFULL
 ACCESSION NUMBER: 2003:51117 USPTATFULL
 TITLE: Novel nucleic acid sequences encoding human transporters, a human atpase molecule, a human ubiquitin hydrolase-like molecule, a human ubiquitin conjugating enzyme-like molecule, and uses therefor
 INVENTOR(S): Gluckmann, Maria Alexandra, Lexington, MA, UNITED STATES
 Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003036074	A1	20030220
US 2002-156239	A1	20020524 (10)

PATENT INFORMATION: US 2003036074
 APPLICATION INFO.: US 2002-156239
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-795693, filed on 28 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2001-809557, filed on 15 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-808568, filed on 14 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-808767, filed on 15 Mar 2001, PENDING

NUMBER	DATE
US 2000-185906P	20000229 (60)
US 2000-192018P	20000324 (60)
US 2000-191790P	20000324 (60)
US 2000-191781P	20000324 (60)

PRIORITY INFORMATION: US 2000-185906P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Intellectual Property Group, MILLENNIUM PHARMACEUTICALS, INC., 75 Sidney Street, Cambridge, MA, 02139

NUMBER OF CLAIMS: 22
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 106 Drawing Page(s)
 LINE COUNT: 19568

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention provides isolated nucleic acids molecules that encode novel polypeptides. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecules of the invention, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a sequence of the invention has been introduced or disrupted. The invention still further provides isolated proteins, fusion proteins, antigenic peptides and antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

L12 ANSWER 17 OF 62 USPTATFULL
 ACCESSION NUMBER: 2003:32038 USPTATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2003023992	A1	20030130
US 2001-862540	A1	20010522 (9)

PATENT INFORMATION: US 2003023992
 APPLICATION INFO.: US 2001-862540

NUMBER	DATE
US 2000-206138P	20000522 (60)
US 2000-206139P	20000522 (60)
US 2000-208976P	20000602 (60)

PRIORITY INFORMATION: US 2000-206138P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 63
 EXEMPLARY CLAIM: 1
 LINE COUNT: 5817

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-X; constructs and recombinant host cells incorporating the gene; the nGPCR-X polypeptides encoded by the gene; antibodies to the nGPCR-X polypeptides; and methods of making and using all of the foregoing.

L12 ANSWER 18 OF 62 USPTATFULL
 ACCESSION NUMBER: 2001:23114 USPTATFULL
 TITLE: Chronic obstructive pulmonary disease-related immunoglobulin derived proteins, compositions, methods and uses
 INVENTOR(S): Torphy, Theodore J., Bryn Mawr, PA, UNITED STATES

NUMBER	KIND	DATE
US 2003017150	A1	20030123
US 2002-99007	A1	20020314 (10)

PATENT INFORMATION: US 2003017150
 APPLICATION INFO.: US 2002-99007

NUMBER	DATE
US 2001-275652P	20010314 (60)

PRIORITY INFORMATION: US 2001-275652P
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 101
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 5131

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to at least one novel COPD-related human Ig derived protein or specified portion or variant, including isolated nucleic acids that encode at least one COPD-related Ig derived protein or specified portion or variant, COPD-related Ig derived protein or specified portion or variants, vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including therapeutic compositions, methods and devices.

L12 ANSWER 23 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:301201 USPATFULL
 TITLE: Transacylases of the paclitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne, Pullman, WA, UNITED STATES
 Wildung, Mark R., Colfax, WA, UNITED STATES
 PATENT ASSIGNEE(S): Washington State University Research Foundation (U.S. corporation)

NUMBER	KIND	DATE
US 2002168745	A1	20021114
US 2001-866570	A1	20010525 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835

Continuation-in-part of Ser. No. US 1999-411145, filed on 30 Sep 1999, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KLARQUIST SPARKMAN CAMPBELL, LEIGH & WHINSTON, LLP, One
 Street, World Trade Center, Suite 1600, 121 S.W. Salmon

Portland, OR, 97204
 NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 33 Drawing Page(s)
 LINE COUNT: 4463

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Transacylase enzymes and the use of such enzymes to produce Taxol.TM., related taxoids, as well as intermediates in the Taxol.TM. biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

L12 ANSWER 24 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:295092 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES
 Rosen, Craig A., Laytonville, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
US 2002165137	A1	20021107
US 2001-860670	A1	20010521 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

NUMBER	DATE
US 2000-205515P	20000519 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-216880P	20000707 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-236367P	20000929 (60)
US 2000-239937P	20001013 (60)
US 2000-249210P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-231243P	20000908 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249265P	20001117 (60)
US 2000-230437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-254097P	20001211 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)

L12 ANSWER 24 OF 62 USPATFULL (Continued)
 US 2000-225447P 20000814 (60)
 US 2000-218290P 20000714 (60)
 US 2000-225757P 20000814 (60)
 US 2000-226868P 20000822 (60)
 US 2000-216647P 20000707 (60)
 US 2000-225267P 20000814 (60)
 US 2000-216880P 20000707 (60)
 US 2000-225270P 20000814 (60)
 US 2000-251869P 20001208 (60)
 US 2000-235834P 20000927 (60)
 US 2000-234274P 20000921 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L12 ANSWER 25 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:294670 USPATFULL
 TITLE: Human FGF-21 gene and gene expression products
 INVENTOR(S): Itoh, Nobuyuki, Kyoto, JAPAN
 Kavanaugh, W. Michael, Mill Valley, CA, UNITED STATES
 PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, UNITED STATES (non-U.S. corporation)

NUMBER	KIND	DATE
US 2002164713	A1	20021107
US 2002-60765	A1	20020129 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 2000-715805, filed on 16 Nov 2000, PENDING

NUMBER	DATE
US 2000-203633P	20000511 (60)
US 1999-166540P	19991118 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092

NUMBER OF CLAIMS: 59
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB This invention relates to human fibroblast growth factor (hFGF-21), and to variants thereof and to polynucleotides encoding FGF-21. The invention also relates to diagnostic and therapeutic agents related to the polynucleotides and proteins, including probes and antibodies, and to methods of treating liver disease such as cirrhosis and cancer, methods of treating conditions related to thymic function, and methods of treating conditions of the testis. The invention also relates to mouse fibroblast growth factor (mFGF-21), and to variants thereof and polynucleotides encoding mFGF-21.

L12 ANSWER 26 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:294533 USPATFULL
 TITLE: Methods for diagnosis and treatment of diseases associated with altered expression of Nrf2
 INVENTOR(S): Pedersen, Finn Skou, Aarhus V, DENMARK
 Goerensen, Annette Balle, Aarhus N, DENMARK
 Moving, Helle, Aarhus V, DENMARK

NUMBER	KIND	DATE
US 2002164576	A1	20021107
US 2001-962855	A1	20010924 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-668644, filed on 22 Sep 2000, PENDING

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: ALBRITTON & HERBERT LLP, FLEHR HOHBACH TEST, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187

NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 LINE COUNT: 3204

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel sequences for use in diagnosis and treatment of lymphoma and leukemia. In addition, the present invention describes the use of novel compositions for use in screening methods.

L12 ANSWER 27 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:288084 USPATFULL
 TITLE: Mammalian glycoprotein hormone-1
 INVENTOR(S): Holloway, James L., Seattle, WA, UNITED STATES
 Webster, Philippa J., Seattle, WA, UNITED STATES
 Thayer, Edward C., Seattle, WA, UNITED STATES

NUMBER	KIND	DATE
US 2002160953	A1	20021031
US 2001-943388	A1	20010830 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-839706, filed on 20 Apr 2001, PENDING

NUMBER	DATE
US 2000-199498P	20000425 (60)

PRIORITY INFORMATION: Utility
 DOCUMENT TYPE: APPLICATION
 LEGAL REPRESENTATIVE: Paul G. Lunn, Esq., ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102

NUMBER OF CLAIMS: 6
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Mammalian glycoprotein hormone-1 (Zlut1) polypeptides, polynucleotides encoding the polypeptides, antibodies that specifically bind to the polypeptides, expression vectors comprised of the polynucleotides, and host cells transformed with the expression vectors.

L12 ANSWER 28 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:287561 USPATFULL
 TITLE: T1R hetero-oligomeric taste receptors
 INVENTOR(S): Adler, Jon Elliot, San Diego, CA, UNITED STATES
 Li, Xiaodong, San Diego, CA, UNITED STATES
 Staszewski, Lena, San Diego, CA, UNITED STATES
 Xu, Hong, San Diego, CA, UNITED STATES
 Echeverri, Fernando, Chula Vista, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002160424	A1	20021031
US 2001-897427	A1	20010703 (9)

PATENT INFORMATION: US 2001-280606P 20010330 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

NUMBER OF CLAIMS: 99
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Page(s)
 LINE COUNT: 3201

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Newly identified mammalian taste-cell-specific G protein-coupled receptors which function as hetero-oligomeric complexes in the sweet taste transduction pathway, and the genes and cDNA encoding said receptors are described. Specifically, T1R G protein-coupled receptors active in sweet taste signaling as hetero-oligomeric complexes, and the genes and cDNA encoding the same, are described, along with methods for isolating such genes and for isolating and expressing such receptors. Methods for identifying putative taste modulating compounds using such hetero-oligomeric complexes also described, as is a novel surface expression facilitating peptide useful for targeting integral plasma membrane proteins to the surface of a cell.

L12 ANSWER 29 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:259379 USPATFULL
 TITLE: Isolated human G-protein coupled receptors, nucleic acid molecules encoding human GPCR proteins, and uses thereof
 INVENTOR(S): Webster, Marion, San Francisco, CA, UNITED STATES
 Beasley, Ellen M., Darnestown, MD, UNITED STATES
 Ketchum, Karen A., Germantown, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002142951	A1	20021003
US 2001-818264	A1	20010328 (9)

PATENT INFORMATION: US 2001-818264 A1 20010328 (9)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORPORATION, 45 West Gude Dr. C2-4#20, Rockville, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 29 Drawing Page(s)
 LINE COUNT: 3926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the Human genome, the GPCR peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogues of the GPCR peptides and methods of identifying modulators of the GPCR peptides.

L12 ANSWER 30 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:258806 USPATFULL
 TITLE: Isolated human transporter proteins, nucleic acid molecules encoding human transporter proteins, and uses thereof
 INVENTOR(S): Merkulov, Gennady, Baltimore, MD, UNITED STATES
 Guegler, Karl, Menlo Park, CA, UNITED STATES
 Brandon, Rhonda C., Laytonville, MD, UNITED STATES
 Di Francesco, Valentina, Rockville, MD, UNITED STATES
 Beasley, Ellen M., Dernestown, MD, UNITED STATES

NUMBER KIND DATE

 PATENT INFORMATION: US 2002142376 A1 20021003
 APPLICATION INFO.: US 2001-768781 A1 20010125 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-740034, filed on 20 Dec 2000, ABANDONED
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CELERA GENOMICS CORP., ATTN: WAYNE MONTGOMERY, VICE PRES, INTEL PROPERTY, 45 WEST GUDE DRIVE, C2-4#20, ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 3248
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the transporter peptides, and methods of identifying modulators of the transporter peptides.

L12 ANSWER 31 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:452894 USPATFULL
 TITLE: Transacylases of the paclitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, UNITED STATES
 Walker, Kevin D., Pullman, WA, UNITED STATES
 Schoendorf, Anne N.M.N., Pullman, WA, UNITED STATES
 Wildung, Mark R., Colfax, WA, UNITED STATES
 Washington State University Research Foundation (U.S. corporation)
 PATENT ASSIGNEE(S):

NUMBER KIND DATE

 PATENT INFORMATION: US 2002138859 A1 20020926
 APPLICATION INFO.: US 2001-866572 A1 20010525 (9)
 RELATED APPLN. INFO.: Division of Ser. No. US 1999-457046, filed on 7 Dec 1999, GRANTED, Pat. No. US 6287835
 Continuation-in-part of Ser. No. US 1999-411145, filed on 30 Sep 1999, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KLARQUIST SPARKMAN CAMPBELL, LEIGH & WHINSTON, LLP, One World Trade Center, Suite 1600, 121 S. W. Salmon, Portland, OR, 97204

NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Page(s)
 LINE COUNT: 4466
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Transacylase enzymes and the use of such enzymes to produce Taxol.TM., related taxoids, as well as intermediates in the Taxol.TM. biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

L12 ANSWER 32 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:243087 USPATFULL
 TITLE: Receptor fingerprinting, sensory perception, and biosensors of chemical senseants
 INVENTOR(S): Stryer, Lubert, Stanford, CA, UNITED STATES
 Zozulya, Sergey, San Diego, CA, UNITED STATES
 PATENT ASSIGNEE(S): Senomyx, Inc., La Jolla, CA, UNITED STATES (U.S. corporation)

NUMBER KIND DATE

 PATENT INFORMATION: US 2002132273 A1 20020919
 APPLICATION INFO.: US 2001-886055 A1 20010622 (9)

NUMBER DATE

 PRIORITY INFORMATION: US 2000-213812P 20000622 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: PILLSBURY WINTHROP LLP, 1600 TYSONS BOULEVARD, MCLEAN, VA, 22102
 NUMBER OF CLAIMS: 22
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2854
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use of sensory G protein-coupled receptors that recognize chemical senseants, particularly those involving olfactory and taste receptors; polypeptide fragments and mutants thereof; classes of such receptors; polynucleotides encoding such receptors, fragments and mutants thereof, and representatives of receptor classes; genetic vectors including such polynucleotides; and cells and non-human organisms engineered to

express such receptor complexes, fragments and mutants of an olfactory or taste receptor, and representatives of receptor classes to simulate sensory perception of odorants and tastants is described. The use of such products as a biosensor or a component thereof to detect, identify, measure, or otherwise process the event of binding between the receptor and its cognate ligand (i.e., chemical senseant) is also described. The invention has application, for example, in the design

and formulation of odorant and tastant compositions.

L12 ANSWER 33 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:214223 USPATFULL
 TITLE: Prokineticin polypeptides, related compositions and methods
 INVENTOR(S): Zhou, Qun-Yong, Irvine, CA, UNITED STATES
 Ehler, Frederick J., Irvine, CA, UNITED STATES

NUMBER KIND DATE

 PATENT INFORMATION: US 2002115610 A1 20020822
 APPLICATION INFO.: US 2001-16481 A1 20011101 (10)

NUMBER DATE

 PRIORITY INFORMATION: US 2000-245882P 20001103 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: CAMPBELL & FLORES LLP, 4370 LA JOLLA VILLAGE DRIVE, 7TH FLOOR, SAN DIEGO, CA, 92122

NUMBER OF CLAIMS: 52
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 9 Drawing Page(s)
 LINE COUNT: 2082
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptides that stimulate gastrointestinal smooth muscle contraction, including human prokineticin 1 and human prokineticin 2 polypeptides, and functional fragments and modifications thereof. Also provided are methods of stimulating gastrointestinal smooth muscle contraction in a mammal, by administering to the mammal an effective amount of a prokineticin polypeptide. The invention also provides nucleic acid molecules encoding a prokineticin polypeptide, and antibodies that selectively bind a prokineticin polypeptide. Further provided are methods of identifying a prokineticin receptor ligand, agonist or antagonist.

L12 ANSWER 34 OF 62 USPATFULL

ACCESSION NUMBER: 2002:213766 USPATFULL
 TITLE: Tumor associated nucleic acids and uses therefor
 INVENTOR(S): Martelange, Valerie, Brussels, BELGIUM
 Smet, Charles De, Brussels, BELGIUM
 Boon-Falleur, Thierry, Brussels, BELGIUM

NUMBER	KIND	DATE
US 2002115142	A1	20020822
US 2001-923831	A1	20010807 (9)

APPLICATION INFO.: Division of Ser. No. US 2000-567995, filed on 10 May 2000, GRANTED, Pat. No. US 6303756 Division of Ser. No. 1998-183706, filed on 30 Oct 1998, GRANTED, Pat. No. 1998-122989, filed on 27 Jul 1998, ABANDONED

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOLF GREENFIELD & SACKS, PC, FEDERAL RESERVE PLAZA, 600 ATLANTIC AVENUE, BOSTON, MA, 02210-2211

NUMBER OF CLAIMS: 43
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2859

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes sdp3.8 tumor associated nucleic acids, including fragments and biologically functional variants thereof. Also included are polypeptides and fragments thereof encoded by such nucleic acids, and antibodies relating thereto. Methods and products also are provided for diagnosing and treating conditions characterized by expression of a sdp3.8 gene product.

L12 ANSWER 35 OF 62 USPATFULL

ACCESSION NUMBER: 2002:191539 USPATFULL
 TITLE: Full-length human cDNAs encoding potentially secreted proteins
 INVENTOR(S): Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE
 Bougueleret, Lydie, Petit Lancy, SWITZERLAND
 Jobert, Severin, Paris, FRANCE

NUMBER	KIND	DATE
US 2002102604	A1	20020801
US 2000-731872	A1	20001207 (9)

APPLICATION INFO.: 1999-169629P 19991208 (60)
 2000-187470P 20000306 (60)

PRIORITY INFORMATION: US 1999-169629P 19991208 (60)
 US 2000-187470P 20000306 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: John Lucas, Ph.D., J.D., Genset Corporation, 10665 Sorento Valley Road, San Diego, CA, 92121-1609

NUMBER OF CLAIMS: 29
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 5 Drawing Page(s)
 LINE COUNT: 28061

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

L12 ANSWER 36 OF 62 USPATFULL

ACCESSION NUMBER: 2002:157060 USPATFULL
 TITLE: Nucleic acids, proteins and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002081659	A1	20020627
US 2001-925297	A1	20010810 (9)

APPLICATION INFO.: Continuation-in-part of Ser. No. WO 2000-US5989, filed on 8 Mar 2000, UNKNOWN

NUMBER	DATE
US 1999-124270P	19990312 (60)

PRIORITY INFORMATION: US 1999-124270P 19990312 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20326

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pancreatic related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "pancreatic antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such pancreatic polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the pancreas, including, but not limited to, the presence of pancreatic cancer and pancreatic cancer metastases. More specifically, isolated pancreatic nucleic acid molecules are provided encoding novel pancreatic polypeptides. Novel pancreatic polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human pancreatic polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the pancreas, including pancreatic cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 37 OF 62 USPATFULL

ACCESSION NUMBER: 2002:133852 USPATFULL
 TITLE: 20685, 579, 17114, 23821, 33894 and 32613, novel human transporters
 INVENTOR(S): Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002068710	A1	20020606
US 2001-795693	A1	20010228 (9)

NUMBER	DATE
US 2000-185906P	20000229 (60)

PRIORITY INFORMATION: US 2000-185906P 20000229 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000

NUMBER OF CLAIMS: 25
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 76 Drawing Page(s)
 LINE COUNT: 8073

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to newly identified human transporters. In particular, the invention relates to transporter polypeptides and polynucleotides, methods of detecting the transporter polypeptides and polynucleotides, and methods of diagnosing and treating transporter-related disorders. Also provided are vectors, host cells, and recombinant methods for making and using the novel molecules.

L12 ANSWER 38 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:119586 USPATFULL
 TITLE: Identification of essential genes in prokaryotes
 INVENTOR(S): Hasselbeck, Robert, San Diego, CA, UNITED STATES
 Ohlsen, Kari L., San Diego, CA, UNITED STATES
 Zyskind, Judith W., La Jolla, CA, UNITED STATES
 Wall, Daniel, San Diego, CA, UNITED STATES
 Trawick, John D., La Mesa, CA, UNITED STATES
 Carr, Grant J., Escondido, CA, UNITED STATES
 Yamamoto, Robert T., San Diego, CA, UNITED STATES
 Xu, H. Howard, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002061569	A1	20020523
APPLICATION INFO.:	US 2001-815242	A1	20010321 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-191078P	20000321 (60)
	US 2000-206848P	20000523 (60)
	US 2000-207727P	20000526 (60)
	US 2000-242578P	20001023 (60)
	US 2000-253625P	20001127 (60)
	US 2000-257931P	20001222 (60)
	US 2001-269308P	20010216 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 44
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 4 Drawing Page(s)
 LINE COUNT: 30870

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The sequences of antisense nucleic acids which inhibit the proliferation

of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than *Staphylococcus aureus*, *Salmonella typhimurium*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

L12 ANSWER 40 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:84902 USPATFULL
 TITLE: Nucleic acids, proteins and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002044941	A1	20020418
APPLICATION INFO.:	US 2003064072	A9	20030403
RELATED APPL. INFO.:	US 2001-925302	A1	20010810 (9)

Continuation-in-part of Ser. No. WO 2000-US5918, filed on 8 Mar 2000, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 21121

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel lung cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "lung cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such lung cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the

lung, including, but not limited to, the presence of lung cancer and lung cancer metastases. More specifically, isolated lung cancer nucleic acid molecules are provided encoding novel lung cancer polypeptides. Novel lung cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant

and synthetic methods for producing human lung cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 39 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:112571 USPATFULL
 TITLE: Novel G protein-coupled receptors
 INVENTOR(S): Vogeli, Gabriel, Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002058306	A1	20020516
APPLICATION INFO.:	US 2001-811284	A1	20010316 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-189783P	20000316 (60)
	US 2000-189918P	20000316 (60)
	US 2000-189960P	20000316 (60)
	US 2000-189917P	20000316 (60)
	US 2000-189907P	20000316 (60)
	US 2000-192945P	20000329 (60)
	US 2000-192916P	20000329 (60)
	US 2000-192923P	20000329 (60)
	US 2000-192933P	20000329 (60)
	US 2000-192830P	20000329 (60)
	US 2000-192234P	20000327 (60)
	US 2000-192155P	20000324 (60)
	US 2000-192935P	20000329 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, ATTENTION: SUZANNE E. MILLER ESQ., ONE LIBERTY PLACE, 46TH FLOOR, PHILADELPHIA, PA, 19103

NUMBER OF CLAIMS: 81
 EXEMPLARY CLAIM: 1
 LINE COUNT: 11281

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a gene encoding a G protein-coupled receptor termed nGPCR-x; constructs and recombinant host cells incorporating the genes; the nGPCR-x polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

L12 ANSWER 41 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:72627 USPATFULL
 TITLE: Nucleic acids, proteins, and antibodies
 INVENTOR(S): Rosen, Craig A., Laytonville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002039764	A1	20020404
APPLICATION INFO.:	US 2001-925298	A1	20010810 (9)
RELATED APPL. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5881, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 20087

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides,

antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or

breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are

vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L12 ANSWER 42 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:110787 USPATFULL
 TITLE: Nucleic acid molecules that encodes human Zven1
 INVENTOR(S): Shepherd, Paul O., Granite Falls, WA, United States
 Bishop, Paul D., Fall City, WA, United States
 PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6485938	B1	20021126
US 2000-712529		20001114 (9)

NUMBER	DATE
US 1999-165905P	19991116 (60)
US 2000-184875P	20000225 (60)
US 2000-197750P	20000419 (60)
US 2000-210332P	20000607 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Eyler, Yvonne
 ASSISTANT EXAMINER: Andres, Janet L.
 LEGAL REPRESENTATIVE: Jones, Phillip B.C.
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
 LINE COUNT: 2934
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides two members of a new family of human proteins, designated as "Zven." The Zven1 gene, which resides in human chromosome 3p21.1-3p14.3, is expressed in testicular tissue and peripheral blood lymphocytes.

L12 ANSWER 43 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:290742 USPATFULL
 TITLE: 94 Human Secreted Proteins
 INVENTOR(S): Ruben, Steven M., Olney, MD, United States
 Ni, Jian, Rockville, MD, United States
 Rosen, Craig A., Laytonville, MD, United States
 Wei, Ying-Pei, Berkeley, CA, United States
 Young, Paul, Gaithersburg, MD, United States
 Florence, Kimberly, Rockville, MD, United States
 Soppet, Daniel R., Centerville, VA, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Endress, Gregory A., Potomac, MD, United States
 Carter, Kenneth C., Potomac, MD, United States
 Mucenski, Michael, Cincinnati, OH, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 Lafleur, David W., Washington, DC, United States
 Olsen, Henrik, Gaithersburg, MD, United States
 Shi, Yanggu, Gaithersburg, MD, United States
 Moore, Paul A., Germantown, MD, United States
 Komatsu, George, Silver Spring, MD, United States
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6475753	B1	20021105
US 1999-461325		19991214 (9)

Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999

NUMBER	DATE
US 1998-89507P	19980616 (60)
US 1998-89508P	19980616 (60)
US 1998-89509P	19980616 (60)
US 1998-89510P	19980616 (60)
US 1998-90112P	19980622 (60)
US 1998-90113P	19980622 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Eyler, Yvonne
 ASSISTANT EXAMINER: Hamud, Fozia
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 37
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
 LINE COUNT: 18031
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L12 ANSWER 43 OF 62 USPATFULL (Continued)

L12 ANSWER 44 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:283360 USPATFULL
 TITLE: Keratinocyte derived interferon
 INVENTOR(S): LaFleur, David W., Washington, DC, United States
 Moore, Paul A., Germantown, MD, United States
 Ruben, Steven M., Olney, MD, United States
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6472512	B1	20021029
US 2002187950	A1	20021212
US 2001-908594		20010720 (9)

Continuation-in-part of Ser. No. US 2000-487792, filed on 20 Jan 2000 Continuation-in-part of Ser. No. WO 2000-US1239, filed on 20 Jan 2000 Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999 Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999 Continuation-in-part of Ser. No. US 2001-358587, filed on 24 May 2001, now abandoned Continuation-in-part of Ser. No. WO 1998-US9916424, filed on 21 Jul 1998, now abandoned

NUMBER	DATE
US 2001-292934P	20010524 (60)
US 2000-219621P	20000721 (60)
US 1998-93643P	19980721 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Kunz, Gary L.
 ASSISTANT EXAMINER: Seharaseyon, Jegatheesan
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 33
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)
 LINE COUNT: 14148
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L12 ANSWER 45 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:202339 USPATFULL
 TITLE: Keratinocyte derived interferon
 INVENTOR(S): LeFleur, David W., Washington, DC, United States
 Moore, Paul A., Germantown, MD, United States
 Ruben, Steven M., Olney, MD, United States
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6433145	B1	20020813
US 2000-487792		20000120 (9)

PATENT INFORMATION: US 6433145 B1 20020813
 APPLICATION INFO.: US 2000-487792 20000120 (9)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999, now abandoned Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999

NUMBER	DATE
US 93643P	(60)

PRIORITY INFORMATION: US 93643P (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Stucker, Jeffrey
 ASSISTANT EXAMINER: Seharaseyon, Jegatheesan
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
 NUMBER OF CLAIMS: 92
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 13514
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L12 ANSWER 47 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:179243 USPATFULL
 TITLE: Tumor associated nucleic acids and uses therefor
 INVENTOR(S): Martelange, Valerie, Brussels, Belgium
 De Smet, Charles, Brussels, Belgium
 Boon-Falleur, Thierry, Brussels, Belgium
 PATENT ASSIGNEE(S): Ludwig Institute for Cancer Research, New York, NY, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6303756	B1	20011016
US 2000-567995		20000510 (9)

PATENT INFORMATION: US 6303756 B1 20011016
 APPLICATION INFO.: US 2000-567995 20000510 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-183706, filed on 30 Oct 1998 Continuation-in-part of Ser. No. US 1998-122989, filed on 27 Jul 1998

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: McGarry, Sean
 ASSISTANT EXAMINER: Shibuya, Mark L.
 LEGAL REPRESENTATIVE: Wolf, Greenfield & Sacks, P.C.
 NUMBER OF CLAIMS: 18
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2435
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention describes sdp3.8 tumor associated nucleic acids, including fragments and biologically functional variants thereof. Also included are polypeptides and fragments thereof encoded by such nucleic acids, and antibodies relating thereto. Methods and products also are provided for diagnosing and treating conditions characterized by expression of a sdp3.8 gene product.

L12 ANSWER 46 OF 62 USPATFULL
 ACCESSION NUMBER: 2002:81611 USPATFULL
 TITLE: Soluble protein ZTMP0-1
 INVENTOR(S): Sheppard, Paul O., Redmond, WA, United States
 Conklin, Darrell C., Seattle, WA, United States
 Farrah, Theresa M., Seattle, WA, United States
 Maurer, Mark P., Bellevue, WA, United States
 Grossmann, Angelika, Seattle, WA, United States
 PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6372889	B1	20020416
US 1999-294531		19990419 (9)

PATENT INFORMATION: US 6372889 B1 20020416
 APPLICATION INFO.: US 1999-294531 19990419 (9)

NUMBER	DATE
US 1998-82513P	19980421 (60)

PRIORITY INFORMATION: US 1998-82513P 19980421 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: McKelvey, Terry
 LEGAL REPRESENTATIVE: Lingenfelter, Susan E.
 NUMBER OF CLAIMS: 5
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Figure(s); 3 Drawing Page(s)
 LINE COUNT: 2899

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to polynucleotide and polypeptide molecules for ZTMP0-1, a novel soluble protein with homology to emerin and the thymopoietins. The polypeptides, and polynucleotides encoding them are useful for modulating cellular proliferation and differentiation and may be used for diagnostic purposes. The present invention also includes antibodies to the ZTMP0-1 polypeptides.

L12 ANSWER 48 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:152743 USPATFULL
 TITLE: Transacylases of the paclitaxel biosynthetic pathway
 INVENTOR(S): Croteau, Rodney B., Pullman, WA, United States
 Walker, Kevin D., Pullman, WA, United States
 Schoendorf, Anne, Pullman, WA, United States
 Wildung, Mark R., Colfax, WA, United States
 PATENT ASSIGNEE(S): Washington State University Research Foundation, Pullman, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6287835	B1	20010911
US 1999-457046		19991207 (9)

PATENT INFORMATION: US 6287835 B1 20010911
 APPLICATION INFO.: US 1999-457046 19991207 (9)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-411145, filed on 30 Sep 1999, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Achutasmurthy, Ponnathapu
 ASSISTANT EXAMINER: Kerr, Kathleen
 LEGAL REPRESENTATIVE: Klarquist Sparkman Campbell Leigh & Winston LLP
 NUMBER OF CLAIMS: 27
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 35 Drawing Figure(s); 33 Drawing Page(s)
 LINE COUNT: 2097

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Transacylase enzymes and the use of such enzymes to produce Taxol.TM., related taxoids, as well as intermediates in the Taxol.TM. biosynthetic pathway are disclosed. Also disclosed are nucleic acid sequences encoding the transacylase enzymes.

L12 ANSWER 49 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:86428 USPATFULL
 TITLE: Tumor associated nucleic acids and uses therefor
 INVENTOR(S): Martelange, Valerie, Brussels, Belgium
 De Smet, Charles, Brussels, Belgium
 Boon-Palleur, Thierry, Brussels, Belgium
 Ludwig Institute for Cancer Research, New York, NY,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6245525	B1	20010612
APPLICATION INFO.:	US 1998-183706		19981030 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-122989, filed on 27 Jul 1998, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Schwartzman, Robert A.		
ASSISTANT EXAMINER:	Shibuya, Mark L.		
LEGAL REPRESENTATIVE:	Wolf, Greenfield & Sacks, P.C.		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2430		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention describes adp3.8 tumor associated nucleic acids, including fragments and biologically functional variants thereof. Also included are polypeptides and fragments thereof encoded by such nucleic acids, and antibodies relating thereto. Methods and products also are provided for diagnosing and treating conditions characterized by expression of a adp3.8 gene product.

L12 ANSWER 50 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:63823 USPATFULL
 TITLE: Mutational variants of mammalian proteins
 INVENTOR(S): Altmann, Scott W., Kenilworth, NJ, United States
 Rock, Fernando L., Foster City, CA, United States
 Bazan, J. Fernando, Menlo Park, CA, United States
 Kastelein, Robert A., Redwood City, CA, United States
 Schering Corporation, Kenilworth, NJ, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6225446	B1	20010501
APPLICATION INFO.:	US 1996-759628		19961205 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8574P	19951206 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Scheiner, Laurie	
LEGAL REPRESENTATIVE:	Ching, Edwin P., Wang, Hugh	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	1203	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Muteins, which are mutational variants of mammalian proteins. Particular positions of natural proteins are identified as critical in providing various different activities. Specific embodiments demonstrate properties of variations at these positions.

L12 ANSWER 51 OF 62 USPATFULL
 ACCESSION NUMBER: 2000:164314 USPATFULL
 TITLE: Method of preparing an enzyme participating in C-terminal amidation
 INVENTOR(S): Iida, Toshii, Yokohama, Japan
 Kaminuma, Toshihiko, Yokohama, Japan
 Fuse, Yuka, Yokohama, Japan
 Tejima, Masahiro, Yokohama, Japan
 Yanagi, Mitsuo, Yokohama, Japan
 Okamoto, Hiroshi, Sendai, Japan
 Kishimoto, Jiro, Yokohama, Japan
 Ifuku, Ohji, Yokohama, Japan
 Kato, Ichiro, Sendai, Japan
 Shiseido Company Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6156555		20001205
APPLICATION INFO.:	US 1998-172120		19981014 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 70301		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-209687	19890815
	JP 1989-281933	19891031
	JP 1990-76331	19900326
	JP 1990-106412	19900424
	JP 1990-205475	19900802

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Naff, David M.
 LEGAL REPRESENTATIVE: Poley & Lordner
 NUMBER OF CLAIMS: 5
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 49 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 3218

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A purified enzyme-I is obtained that participates in C-terminal amidation by acting on a peptide C-terminal glycine adduct to form a peptide C-terminal .alpha.-hydroxyglycine adduct. The enzyme has an optimum pH of about 5 to 7, an optimum temperature of 25 to 40.degree. C, and a molecular weight of about 25 kDa or about 36 kDa, and metal ions and ascorbic acid act as a cofactor. A purified enzyme-II is obtained that participates in C-terminal amidation by acting on the peptide C-terminal .alpha.-hydroxyglycine adduct to produce a C-terminal amidated compound. The enzyme has an optimum pH of about 5 to 6, an optimum temperature of 15 to 35.degree. C, and a molecular weight of about 40 kDa or about 43 kDa. Enzyme-I does not act on the peptide C-terminal .alpha.-hydroxyglycine adduct and enzyme-II does not act on the peptide C-terminal glycine adduct. The enzymes may be purified from a biological material such as horse serum by affinity chromatography using a peptide C-terminal glycine adduct as a ligand. The enzymes may also be obtained from host cells transformed with a plasmid containing a cDNA coding for the enzymes. Assay of activity of the enzymes is carried out by measuring the C-terminal .alpha.-hydroxyglycine adduct or the C-terminal amidated compound that has been isolated such as by high performance liquid chromatography with the use of an acetonitrile-containing buffer.

L12 ANSWER 51 OF 62 USPATFULL (Continued)

L12 ANSWER 52 OF 62 USPATFULL

ACCESSION NUMBER: 2000:160592 USPATFULL
 TITLE: Borrelia burgdorferi outer membrane proteins
 INVENTOR(S): Skare, Jonathan T., College Station, TX, United States
 Shang, Ellen S., Calabasas, CA, United States
 Champion, Cheryl I., Los Angeles, CA, United States
 Blanco, David R., Calabasas, CA, United States
 Miller, James N., Northridge, CA, United States
 Lovett, Michael A., Los Angeles, CA, United States
 Mirzabekov, Tajib A., Newton, MA, United States
 Kagan, Bruce L., Pacific Palisades, CA, United States
 Tempst, Paul, New York, NY, United States
 Poley, Denise M., Orange, CA, United States
 PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6153194		20001128
US 1998-183217		19981029 (9)
Continuation of Ser. No. US 1997-787367, filed on 21 Jan 1997, now abandoned		

NUMBER	DATE
US 1996-10321P	19960122 (60)

PATENT INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Housel, James C.
 PRIMARY EXAMINER: Ryan, V.
 ASSISTANT EXAMINER: Pulbright & Jaworski L.L.P.
 LEGAL REPRESENTATIVE: 5
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 43 Drawing Figure(s); 24 Drawing Page(s)
 NUMBER OF DRAWINGS: 3234
 LINE COUNT: 3234

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention presents three B. burgdorferi membrane proteins: Oms28, Oms45, and Oms66, each of about 28, 45, and 66 kDa respectively; and with average single channel conductances of about 0.6, 0.22, and

9.7 nS, respectively. Also disclosed are the methods for purifying these proteins from B. burgdorferi, methods for producing antibodies to these proteins, and the resulting antibodies. These proteins and their immunogenic fragments, and antibodies capable of binding to them are useful for inducing an immune response to pathogenic B. burgdorferi as well as providing a diagnostic target for Lyme disease. Further disclosed are the nucleotide and amino acid sequences, the cloning of the genes encoding the proteins and their recombinant proteins, and methods for obtaining the foregoing. Other B. burgdorferi outer membrane spanning proteins (Oms) obtainable by the isolation and purification methods of the present invention.

L12 ANSWER 54 OF 62 USPATFULL

ACCESSION NUMBER: 2000:102074 USPATFULL
 TITLE: Human prohormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6100041		20000808
US 1999-369618		19990806 (9)
Division of Ser. No. US 1998-71101, filed on 1 May 1998, now patented, Pat. No. US 6013503		

NUMBER	DATE
US 1997-44015P	19970506 (60)

PATENT INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Carlson, Karen Cochrane
 PRIMARY EXAMINER: Srivastava, Devesh
 ASSISTANT EXAMINER: Johnson, Jennifer K.
 LEGAL REPRESENTATIVE: 3
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1 Drawing Figure(s); 3 Drawing Page(s)
 NUMBER OF DRAWINGS: 2339
 LINE COUNT: 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide and polypeptide molecules for a novel human prohormone convertase 4. The polynucleotides encoding human prohormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

L12 ANSWER 53 OF 62 USPATFULL

ACCESSION NUMBER: 2000:131634 USPATFULL
 TITLE: Human prohormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6127162		20001003
US 1999-369617		19990806 (9)
Division of Ser. No. US 1998-71101, filed on 1 May 1998, now patented, Pat. No. US 6013503		

NUMBER	DATE
US 1997-44015P	19970506 (60)

PATENT INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Carlson, Karen Cochrane
 PRIMARY EXAMINER: Srivastava, Devesh
 ASSISTANT EXAMINER: Johnson, Jennifer K.
 LEGAL REPRESENTATIVE: 12
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1 Drawing Figure(s); 3 Drawing Page(s)
 NUMBER OF DRAWINGS: 2424
 LINE COUNT: 2424

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide and polypeptide molecules for a novel human prohormone convertase 4. The polynucleotides encoding human prohormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

L12 ANSWER 55 OF 62 USPATFULL

ACCESSION NUMBER: 2000:53875 USPATFULL
 TITLE: Method of identifying compounds affecting hedgehog cholesterol transfer
 INVENTOR(S): Beachy, Philip A., Baltimore, MD, United States
 Porter, Jeffrey A., Belmont, MA, United States
 PATENT ASSIGNEE(S): The Johns Hopkins University School of Medicine, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6057091		20000502
US 1997-946329		19971007 (8)
Continuation-in-part of Ser. No. US 1996-729743, filed on 7 Oct 1996 which is a continuation-in-part of Ser. No. US 1995-567357, filed on 4 Dec 1995 which is a continuation-in-part of Ser. No. US 1994-349498, filed on 2 Dec 1994		

NUMBER	DATE
US 1997-61323P	19971002 (60)

PATENT INFORMATION: Utility
 DOCUMENT TYPE: Granted
 FILE SEGMENT: Spector, Lorraine
 PRIMARY EXAMINER: Kaufman, Claire M.
 ASSISTANT EXAMINER: Gray Cary Ware & Freidenrich LLP, Halle, Lisa A.
 LEGAL REPRESENTATIVE: 4
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 126 Drawing Figure(s); 54 Drawing Page(s)
 NUMBER OF DRAWINGS: 6997
 LINE COUNT: 6997

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides two novel polypeptides, referred to as the "H" and "C" fragments of hedgehog, or N-terminal and C-terminal fragments, respectively, which are derived after specific cleavage at a G.sup..dnarw. CF site recognized by the autolytic domain in the native protein. Also included are steroid-modified hedgehog polypeptides and functional fragments thereof. Methods of identifying compositions which affect hedgehog activity based on inhibition of cholesterol modification of hedgehog protein are described.

L12 ANSWER 56 OF 62 USPATFULL
 ACCESSION NUMBER: 2000:47346 USPATFULL
 TITLE: Receptor for the glucagon-like-peptide (GLP-1)
 INVENTOR(S): Thorens, Bernard, Epalinges, Switzerland
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

NUMBER	KIND	DATE
US 6051689		20000418
US 1997-935317		19970922 (8)
Continuation of Ser. No. US 142439		

PATENT INFORMATION: US 6051689 20000418
 APPLICATION INFO.: US 1997-935317 19970922 (8)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 142439

NUMBER	DATE
DK 1992-198	19920325

PRIORITY INFORMATION: DK 1992-198 19920325
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Fitzgerald, David L.
 LEGAL REPRESENTATIVE: Zelson, Esq., Steve T., Gregg, Esq., Valeta
 NUMBER OF CLAIMS: 2
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 8 Drawing Figure(s); 8 Drawing Page(s)
 LINE COUNT: 1267
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a recombinant glucagonlike peptide-1 (GLP-1) receptor having the nucleotide sequence of SEQ ID NO:1 or SEQ ID NO:3, wherein the receptor polypeptide binds GLP-1 with a Kd of less than 100 nM.

L12 ANSWER 57 OF 62 USPATFULL
 ACCESSION NUMBER: 2000:47031 USPATFULL
 TITLE: Non-A, non-B, non-C, non-D, non-E hepatitis reagents and methods for their use
 INVENTOR(S): Simons, John N., Grayslake, IL, United States
 Pilot-Matias, Tami J., Green Oaks, IL, United States
 Dawson, George J., Libertyville, IL, United States
 Schlauder, George G., Skokie, IL, United States
 Desai, Suresh M., Libertyville, IL, United States
 Leary, Thomas P., Kenosha, WI, United States
 Muerhoff, Anthony Scott, Kenosha, WI, United States
 Erker, James Carl, Heineville, IL, United States
 Buijck, Sheri L., Round Lake, IL, United States
 Mushahwar, Isa K., Grayslake, IL, United States
 Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6051374		20000418
US 1995-488445		19950607 (8)

PATENT INFORMATION: US 6051374 20000418
 APPLICATION INFO.: US 1995-488445 19950607 (8)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-377557, filed on 30 Jan 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-344185, filed on 23 Nov 1994, now abandoned And Ser. No. US 1994-344190, filed on 23 Nov 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-283314, filed on 29 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-242654, filed on 13 May 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-196030, filed on 14 Feb 1994, now abandoned, said Ser. No. US 344185 which is a continuation-in-part of Ser. No. US 283314

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Zitomer, Stephanie
 LEGAL REPRESENTATIVE: Becker, Cheryl L., Casuto, Dianne, Porembki, Priscilla
 NUMBER OF CLAIMS: 35
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 52 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 17971
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Hepatitis GB Virus (HGBV) nucleic acid and amino acid sequences useful for a variety of diagnostic and therapeutic applications, kits for using the HGBV nucleic acid or amino acid sequences, HGBV immunogenic particles, and antibodies which specifically bind to HGBV. Also provided are methods for producing antibodies, polyclonal or monoclonal, from the HGBV nucleic acid or amino acid sequences.

L12 ANSWER 58 OF 62 USPATFULL
 ACCESSION NUMBER: 2000:4666 USPATFULL
 TITLE: Human prohormone convertase 4
 INVENTOR(S): Lok, Si, Seattle, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6013503		20000111
US 1998-71101		19980501 (5)

PATENT INFORMATION: US 6013503 20000111
 APPLICATION INFO.: US 1998-71101 19980501 (5)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Campbell, Egerton A.
 ASSISTANT EXAMINER: Srivastava, Devesh
 LEGAL REPRESENTATIVE: Johnson, Jennifer K.
 NUMBER OF CLAIMS: 3
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Figure(s); 3 Drawing Page(s)
 LINE COUNT: 2309
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides polynucleotide and polypeptide molecules for a novel human prohormone convertase 4. The polynucleotides encoding human prohormone convertase 4, are located on chromosome 19, and may, for example, be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein and antibodies thereto.

L12 ANSWER 59 OF 62 USPATFULL
 ACCESSION NUMBER: 1999:155456 USPATFULL
 TITLE: Proteins involved in the synthesis and assembly of O-antigen in Pseudomonas aeruginosa
 INVENTOR(S): Lam, Joseph S., Guelph, Canada
 Burrows, Lori, Guelph, Canada
 Charter, Deborah, Guelph, Canada
 de Kievit, Teresa, Guelph, Canada
 University of Guelph, Guelph, Canada (non-U.S. corporation)

NUMBER	KIND	DATE
US 5994072		19991130
US 1997-846762		19970430 (8)

PATENT INFORMATION: US 5994072 19991130
 APPLICATION INFO.: US 1997-846762 19970430 (8)

NUMBER	DATE
US 1996-16510P	19960430 (60)
US 1997-39473P	19970227 (60)

PRIORITY INFORMATION: US 1996-16510P 19960430 (60)
 US 1997-39473P 19970227 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Degen, Nancy
 ASSISTANT EXAMINER: Schwartzman, Robert
 LEGAL REPRESENTATIVE: Merchant & Gould P.C.
 NUMBER OF CLAIMS: 14
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 66 Drawing Figure(s); 63 Drawing Page(s)
 LINE COUNT: 7459
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Novel nucleic acid molecules encoding proteins involved in the synthesis and assembly of O-antigen in P. aeruginosa; and novel proteins encoded by the nucleic acid molecules are described. Methods are disclosed for detecting P. aeruginosa in a sample by determining the presence of the proteins or a nucleic acid molecule encoding the proteins in the sample.

L12 ANSWER 60 OF 62 USPATFULL
 ACCESSION NUMBER: 1999:85216 USPATFULL
 TITLE: Compositions comprising isolated *Helicobacter pylori* CagI polynucleotides and method of preparation thereof
 INVENTOR(S): Covacci, Antonello, Siena, Italy
 PATENT ASSIGNEE(S): Chiron S.p.A., Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5928865		19990727
APPLICATION INFO.:	US 1995-477451		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-425194, filed on 20 Apr 1995, now abandoned And Ser. No. US 1995-471491, filed on 6 Jun 1995 which is a division		

of

Ser. No. US 256848

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1992-F152	19920302
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Houzel, James C.	
ASSISTANT EXAMINER:	Portner, Ginny Allen	
LEGAL REPRESENTATIVE:	Woodcock, Washburn, Kurtz, Mackiewicz & Norris, Harbin,	

Alisa A., Blackburn, Robert P.

NUMBER OF CLAIMS: 6
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 4 Drawing Figure(s); 120 Drawing Page(s)
 LINE COUNT: 6155

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB *Helicobacter pylori* is known to cause or be a cofactor in type B gastritis, peptic ulcers, and gastric tumors. In both developed and developing countries, a high percentage of people are infected with this bacterium. The present invention relates generally to a certain *H. pylori* region located 5' to the CagA gene locus, to proteins encoded thereby, and to the use of these genes and proteins for diagnostic and vaccine applications.

L12 ANSWER 61 OF 62 USPATFULL
 ACCESSION NUMBER: 1999:21976 USPATFULL
 TITLE: Purified enzymes participating in C-terminal amidation
 INVENTOR(S): Iida, Toshii, Yokohama, Japan
 Kaminuma, Tooshihiko, Yokohama, Japan
 Fuse, Yuka, Yokohama, Japan
 Tajima, Masahiro, Yokohama, Japan
 Yanagi, Mitsuo, Yokohama, Japan
 Okamoto, Hiroshi, Sendai, Japan
 Kishimoto, Jiro, Yokohama, Japan
 Ifuku, Ohji, Yokohama, Japan
 Kato, Ichiro, Sendai, Japan
 PATENT ASSIGNEE(S): Shiseido Company, Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5871995		19990216
APPLICATION INFO.:	WO 9102790		19910307
	US 1991-70301		19910524 (8)
	WO 1990-JP1036		19900412
			19910524 PCT 371 date
			19910524 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-209687	19890815
	JP 1989-281933	19891019
	JP 1990-76331	19900326
	JP 1990-106412	19900424
	JP 1990-205475	19900802

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Naff, David M.
 LEGAL REPRESENTATIVE: Foley & Lardner
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1, 11
 NUMBER OF DRAWINGS: 49 Drawing Figure(s); 49 Drawing Page(s)
 LINE COUNT: 2524

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A purified enzyme-I is obtained that participates in C-terminal amidation by acting on a peptide C-terminal glycine adduct to form a peptide C-terminal .alpha.-hydroxyglycine adduct. The enzyme has an optimum pH of about 5 to 7, an optimum temperature of 25.degree. to 40.degree. C. and a molecular weight of about 25 kDa or about 36 kDa, and metal ions and ascorbic acid act as a cofactor. A purified enzyme-II is obtained that participates in C-terminal amidation by acting on a peptide C-terminal .alpha.-hydroxyglycine adduct to produce a C-terminal amidated compound. The enzyme has an optimum pH of about 5 to 6, an optimum temperature of 15.degree. to 35.degree. C. and a molecular weight of about 40 kDa or about 43 kDa. Enzyme-I does not act on the peptide C-terminal .alpha.-hydroxyglycine adduct and enzyme-II does not act on the peptide C-terminal glycine adduct. The enzymes may be purified from a biological material such as horse serum by affinity chromatography using a peptide C-terminal glycine adduct as a

L12 ANSWER 61 OF 62 USPATFULL (Continued)
 ligand. The enzymes may also be obtained from host cells transformed with a plasmid containing a cDNA coding for the enzymes. Assay of activity of the enzymes is carried out by measuring adduct (II) or the compound (III) that has been isolated such as by high performance liquid chromatography with the use of an acetonitrile-containing buffer.

L12 ANSWER 62 OF 62 USPATFULL
 ACCESSION NUMBER: 97:86472 USPATFULL
 TITLE: Mammalian receptors for glucagon-like-peptide-1 (GLP-1), corresponding DNA and recombinant expression systems, and screening assays for GLP-1 agonists and enhancers
 INVENTOR(S): Thorens, Bernard, Epalinges, Switzerland
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5670360		19970923
APPLICATION INFO.:	WO 9319175		19930930
	US 1993-142439		19931124 (8)
	WO 1993-EP697		19930323
			19931124 PCT 371 date
			19931124 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1992-398	19920325
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Fitzgerald, David L.	
LEGAL REPRESENTATIVE:	Zelson, Esq., Steve T., Harrington, Esq., James J.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 8 Drawing Page(s)	
LINE COUNT:	1014	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a recombinant glucagon like peptide-1 (GLP-1), to a DNA construct which comprises a DNA sequence encoding a GLP-1 receptor, to methods of screening for agonists of GLP-1 activity, and to the use of the GLP-1 receptor for screening for agonists of GLP-1 activity.